

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
January 2005

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State of California

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Secretary for Resources
The Resources Agency

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MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of January 2005.

Statewide precipitation was about 150 percent of average for the 2004-2005 water year through January 31. Statewide runoff was 70 percent of average for the water year. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the internet at: http://cdec.water.ca.gov/snow_rain.html.

Total storage in major SWP reservoirs was about 3.46 MAF, compared with about 3.94 MAF at this time in 2004. On January 31 storage at Lake Oroville was about 1.81 MAF as compared to 2.46 MAF last year. The State's share of San Luis Reservoir storage was about 1.01 MAF, as compared with 810 TAF at this time last year. The combined storage in SWP's southern reservoirs was about 639 TAF, compared with about 662 TAF at this time last year.

SWP water deliveries for January 2005 were about 125 TAF. This is a combination of project, transfer, and exchange waters. This is about 63 TAF less than delivered during the same period in 2004.

An earthquake was reported at 0635 on January 6, ten miles west of San Bernardino, Ca., magnitude 4.4. It was felt at Devil Canyon Power plant and inspections there revealed no damage.

Regional water control board from Victorville reports at 0955 hrs on January 10 that Crestline sanitation discharged 6 million gallons of raw water into Silver wood lake. An 18-inch line was broken 2 miles from San Bernardino intake tower on the north-west shore. At 1512 Crestline reported another sewage break releasing 1.5 million gallons of treated sewage water.

At 0010 hrs, January 12, the earthquake alert activated and was confirmed at 0044 hrs. The magnitude of the quake was 4.2. The quake was located 6 miles east of Desert Hot Springs, Ca. No facilities were found to meet the inspection criteria.

The SWP approved an initial delivery allocation of 40% (1.65 MAF) on November 30, 2004. Based on recent water precipitation and an updated snow survey, the Department increased it's allocation on January 14, 2005 to 60% (2.48 MAF).

An earthquake occurred on January 22 at 2042 hrs. The magnitude was 3.9 and located 30 miles west of San Rafael, Ca. No facilities were found to meet the inspection criteria.

An earthquake of magnitude 3.8 was reported on January 28 at 0507. The epicenter was four miles East of Kettleman City. No State Water Project Inspections required.

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

January 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Dec 31	4992.96	15,044									
1	4992.96	15,044	0	20	0	0	0	1	21	21	
2	4992.92	15,015	-29	20	0	0	0	1	21	6	
3	4992.90	15,000	-15	20	0	0	0	1	21	13	
4	4992.85	14,964	-36	20	0	0	0	1	21	3	
5	4992.83	14,949	-15	20	0	0	0	0	20	12	
6	4992.78	14,913	-36	20	0	0	0	1	21	3	
7	4992.85	14,964	51	20	0	0	0	0	20	46	
8	4992.90	15,000	36	20	0	0	0	1	21	39	
9	4992.86	14,971	-29	20	0	0	0	1	21	6	
10	4992.84	14,957	-14	20	0	0	0	0	20	13	
11	4992.84	14,957	0	20	0	0	0	0	20	20	
12	4992.80	14,928	-29	20	0	0	0	1	21	7	
13	4992.76	14,898	-30	20	0	0	0	1	21	6	
14	4993.73	14,877	-21	20	0	0	0	1	21	10	
15	4992.70	14,855	-22	20	0	0	0	1	21	10	
16	4994.53	14,826	-29	20	0	0	0	1	21	7	
17	4992.66	14,804	-22	20	0	0	0	0	20	9	
18	4992.59	14,775	-29	20	0	0	0	1	21	6	
19	4992.58	14,768	-7	20	0	0	0	1	21	17	
20	4992.56	14,753	-15	20	0	0	0	1	21	13	
21	4992.56	14,753	0	20	0	0	0	1	21	21	
22	4992.50	14,710	-43	20	0	0	0	2	22	0	
23	4992.47	14,688	-22	20	0	0	0	1	21	10	
24	4992.44	14,666	-22	20	0	0	0	1	21	10	
25	4992.44	14,666	0	20	0	0	0	0	20	20	
26	4992.44	14,666	0	20	0	0	0	1	21	21	
27	4992.42	14,652	-14	20	0	0	0	1	21	14	
28	4992.42	14,652	0	20	0	0	0	1	21	21	
29	4992.42	14,652	0	20	0	0	0	1	21	21	
30	4992.41	14,645	-7	20	0	0	0	1	21	18	
31	4992.40	14,638	-7	20	0	0	0	1	21	18	
Total cfs-days				---	620	0	0	0	26	646	
Total ac-ft				-406	1,230	0	0	0	51	1,281	
										875	

Table 2. Frenchman Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 55,477 ac-ft

January 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Dec 31	5563.49	24,678									
1	5563.57	24,754	76	2	0	0	0	1	3	41	
2	5563.63	24,812	58	2	0	0	0	1	3	32	
3	5563.71	24,889	77	2	0	0	0	1	3	42	
4	5563.75	24,927	38	2	0	0	0	1	3	22	
5	5563.83	25,004	77	2	0	0	0	1	3	42	
6	5563.88	25,052	48	2	0	0	0	1	3	27	
7	5563.98	25,149	97	2	0	0	0	1	3	52	
8	5564.04	25,207	58	2	0	0	0	1	3	32	
9	5564.11	25,275	68	2	0	0	0	1	3	37	
10	5564.19	25,353	78	2	0	0	0	1	3	42	
11	5564.21	25,372	19	2	0	0	0	1	3	13	
12	5564.23	25,391	19	2	0	0	0	1	3	13	
13	5564.27	25,430	39	2	0	0	0	1	3	23	
14	5564.30	25,460	30	2	0	0	0	1	3	18	
15	5564.35	25,508	48	2	0	0	0	1	3	27	
16	5564.40	25,557	49	2	0	0	0	1	3	28	
17	5564.41	25,567	10	2	0	0	0	1	3	8	
18	5564.42	25,577	10	2	0	0	0	1	3	8	
19	5564.44	25,596	19	2	0	0	0	1	3	13	
20	5564.47	25,625	29	2	0	0	0	1	3	18	
21	5564.48	25,635	10	2	0	0	0	2	4	9	
22	5564.50	25,655	20	2	0	0	0	2	4	14	
23	5564.50	25,655	0	2	0	0	0	2	4	4	
24	5564.51	25,664	9	2	0	0	0	1	3	8	
25	5564.52	25,674	10	2	0	0	0	1	3	8	
26	5564.53	25,684	10	2	0	0	0	1	3	8	
27	5564.54	25,694	10	2	0	0	0	1	3	8	
28	5564.56	25,713	19	2	0	0	0	1	3	13	
29	5564.59	25,743	30	2	0	0	0	1	3	18	
30	5564.65	25,802	59	2	0	0	0	1	3	33	
31	5564.67	25,821	19	2	0	0	0	1	3	13	
Total cfs-days				---	62	0	0	0	34	96	674
Total ac-ft				1,143	123	0	0	0	68	191	1,334

Table 3. Lake Davis

Daily Operation
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

January 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Dec 31	5762.58	42,343									
1	5762.63	42,507	164	10	0	0	0	0	10	93	
2	5762.64	42,534	27	10	0	0	0	0	10	24	
3	5762.64	42,534	0	10	0	0	0	0	10	10	
4	5762.64	42,534	0	10	0	0	0	0	10	10	
5	5762.63	42,507	-27	10	0	0	0	4	14	0	
6	5762.61	42,452	-55	10	0	0	0	18	28	0	
7	5762.72	42,754	302	10	0	0	0	0	10	162	
8	5762.80	42,974	220	9	0	1	0	0	10	121	
9	5762.82	43,029	55	10	0	0	0	0	10	38	
10	5762.83	43,055	26	10	0	0	0	0	10	23	
11	5762.87	43,167	112	10	0	0	0	0	10	66	
12	5762.87	43,167	0	10	0	0	0	0	10	10	
13	5762.87	43,167	0	10	0	0	0	0	10	10	
14	5762.85	43,111	-56	10	0	0	0	18	28	0	
15	5762.83	43,055	-56	10	0	0	0	18	28	0	
16	5762.83	43,055	0	9	0	1	0	0	10	10	
17	5762.83	43,055	0	10	0	0	0	0	10	10	
18	5762.82	43,029	-26	10	0	0	0	3	13	0	
19	5762.82	43,029	0	10	0	0	0	0	10	10	
20	5762.81	43,001	-28	10	0	0	0	4	14	0	
21	5762.81	43,001	0	10	0	0	0	3	13	13	
22	5762.80	42,974	-27	10	0	0	0	4	14	0	
23	5762.79	42,946	-28	9	0	1	0	4	14	0	
24	5762.78	42,918	-28	10	0	0	0	4	14	0	
25	5762.78	42,918	0	10	0	0	0	0	10	10	
26	5762.78	42,918	0	10	0	0	0	0	10	10	
27	5762.78	42,918	0	10	0	0	0	0	10	10	
28	5762.83	43,055	137	10	0	0	0	0	10	79	
29	5762.83	43,055	0	10	0	0	0	0	10	10	
30	5762.83	43,055	0	10	0	0	0	0	10	10	
31	5762.81	43,001	-54	10	0	0	0	17	27	0	
Total cfs-days			---	307	0	3	0	97	407	739	
Total ac-ft			658	609	0	6	0	192	807	1,465	

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537,580 ac-ft

January 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow					Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal	Evaporation 2/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 3/
Dec 31	746.40	1,644,209								
	1 747.51	1,654,440	10,231	0	0	32	0	32	0	10,263
	2 748.86	1,666,943	12,503	0	0	51	0	51	0	12,554
	3 749.11	1,669,266	2,323	6,352	0	17	0	6,369	0	8,692
	4 749.14	1,669,545	279	8,622	0	6	0	8,628	0	8,907
	5 749.89	1,676,528	6,983	2,400	0	0	0	2,400	0	9,383
	6 750.33	1,680,634	4,106	3,761	0	6	0	3,767	0	7,873
	7 751.20	1,688,774	8,140	3,477	0	7	0	3,484	0	11,624
	8 751.74	1,693,841	5,067	5,022	0	0	0	5,022	0	10,089
	9 752.48	1,700,802	6,961	4,481	0	0	0	4,481	0	11,442
	10 752.67	1,702,592	1,790	8,261	0	17	0	8,278	0	10,068
	11 753.23	1,707,877	5,285	7,759	0	29	0	7,788	0	13,073
	12 753.78	1,713,078	5,201	5,189	0	29	0	5,218	0	10,419
	13 754.10	1,716,110	3,032	6,285	0	26	0	6,311	0	9,343
	14 754.48	1,719,715	3,605	4,853	0	0	0	4,853	0	8,458
	15 754.91	1,723,801	4,086	2,718	0	12	0	2,730	0	6,816
	16 755.56	1,729,990	6,189	786	0	12	0	798	0	6,987
	17 756.09	1,735,049	5,059	2,765	0	18	0	2,783	0	7,842
	18 756.18	1,735,909	860	6,035	0	0	0	6,035	0	6,895
	19 756.46	1,738,586	2,677	4,700	0	11	0	4,711	0	7,388
	20 756.66	1,740,501	1,915	5,960	0	18	0	5,978	0	7,893
	21 756.92	1,742,992	2,491	5,056	0	30	0	5,086	0	7,577
	22 757.50	1,748,557	5,565	2,012	0	0	0	2,012	0	7,577
	23 758.28	1,756,062	7,505	0	0	24	0	24	0	7,529
	24 758.50	1,758,183	2,121	5,553	0	18	0	5,571	0	7,692
	25 758.88	1,761,850	3,667	4,187	0	12	0	4,199	0	7,866
	26 760.08	1,773,465	11,615	1,825	0	12	0	1,837	0	13,452
	27 761.35	1,785,805	12,340	2,881	0	12	0	2,893	0	15,233
	28 762.52	1,797,229	11,424	4,602	0	30	0	4,632	0	16,056
	29 763.29	1,804,776	7,547	3,406	0	24	0	3,430	0	10,977
	30 763.99	1,811,656	6,880	4,660	0	36	0	4,696	0	11,576
	31 764.30	1,814,709	3,053	6,773	0	61	0	6,834	0	9,887
Total				170,500	130,381	0	550	0	130,931	0
										301,431

1/ Includes bypass flows

2/ Evaporation will be zero for days when there is precipitation or heavy overcast.

3/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Daily Operation
(in acre-feet except as noted)

January 2005

Capacity: 25,120 ac-ft

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County 4/	Thermalito Irrigation District	Releases To River 5/	Hyatt Powerplant Pumpback	
Dec 31	24,660										
1	24,133	-527	0	514	0	0	2	2	1,249	0	212
2	23,766	-367	0	428	0	0	2	2	1,257	0	466
3	24,585	819	6,352	514	0	5,060	2	3	1,245	0	263
4	21,393	-3,192	8,622	514	0	11,306	2	3	1,247	0	230
5	22,974	1,581	2,400	518	0	0	2	3	1,235	0	-97
6	24,396	1,422	3,761	514	0	1,578	2	3	1,236	0	-34
7	24,663	267	3,477	516	0	2,768	2	3	1,253	0	300
8	24,701	38	5,022	514	0	4,140	2	3	1,243	0	-110
9	23,832	-869	4,481	516	0	4,600	2	3	1,241	0	-20
10	24,459	627	8,261	514	0	7,299	2	3	1,241	0	397
11	24,604	145	7,759	514	0	7,497	3	3	1,259	0	634
12	24,339	-265	5,189	450	0	4,708	3	3	1,250	0	60
13	24,388	49	6,285	514	0	5,780	3	3	1,245	0	281
14	24,304	-84	4,853	516	0	3,782	3	3	1,245	0	-420
15	24,804	500	2,718	514	0	1,327	3	3	1,251	0	-148
16	23,695	-1,109	786	514	0	1,176	3	3	1,255	0	28
17	24,462	767	2,765	516	0	1,402	3	3	1,251	0	145
18	24,465	3	6,035	514	0	5,390	3	3	1,253	0	103
19	24,493	28	4,700	514	0	3,820	3	3	1,251	0	-109
20	24,531	38	5,960	514	0	5,092	3	3	1,251	0	-87
21	24,789	258	5,056	514	0	4,014	3	3	1,255	0	-37
22	24,700	-89	2,012	510	0	1,408	3	3	1,251	0	54
23	23,767	-933	0	389	0	114	3	3	1,247	0	45
24	24,739	972	5,553	403	0	3,867	3	3	1,241	0	130
25	24,584	-155	4,187	371	0	3,650	3	3	1,245	0	188
26	23,373	-1,211	1,825	359	0	2,284	3	3	1,245	0	140
27	24,028	655	2,881	395	0	1,480	3	3	1,239	0	104
28	24,425	397	4,602	411	0	3,500	3	3	1,243	0	133
29	23,871	-554	3,406	494	0	3,188	3	3	1,241	0	-19
30	24,172	301	4,660	514	0	3,654	3	3	1,241	0	28
31	24,307	135	6,773	432	0	5,837	3	3	1,234	0	7
Total		-353	130,381	14,934	0	109,721	83	91	38,640	0	2,867

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

3/ Includes Bypass flows at Thermalito.

4/ Includes 1 AF of entitlement water to Del Oro WD and 82 AF to Cal Water.

5/ The sum of the flows from fish barrier dam and the fish hatchery.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

January 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/	
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback			
Dec 31	134.95	50,535											
	1	133.82	46,011	-4,524	0	1,456	0	571	311	2,243	0	57	3,492
	2	132.75	41,897	-4,114	0	1,456	0	571	307	2,243	0	463	3,500
	3	133.00	42,842	945	5,060	1,432	0	575	292	2,261	0	445	3,506
	4	134.66	49,356	6,514	11,306	1,384	0	538	276	2,261	0	-333	3,508
	5	133.54	44,917	-4,439	0	1,343	0	522	270	2,241	0	-63	3,476
	6	132.82	42,160	-2,757	1,578	1,337	0	524	104	2,243	0	-127	3,479
	7	132.64	41,484	-676	2,768	1,343	0	522	0	2,261	0	682	3,514
	8	132.73	41,822	338	4,140	1,337	0	524	0	2,243	0	302	3,486
	9	132.79	42,047	225	4,600	1,335	0	524	0	2,242	0	-274	3,483
	10	133.61	45,189	3,142	7,299	1,311	0	490	0	2,241	0	-115	3,482
	11	134.48	48,631	3,442	7,497	1,303	0	466	0	2,261	0	-25	3,520
	12	134.65	49,315	684	4,708	1,275	0	466	0	2,261	0	-22	3,511
	13	134.99	50,698	1,383	5,780	1,260	0	462	0	2,261	0	-414	3,506
	14	135.05	50,944	246	3,782	1,262	0	466	0	2,261	0	453	3,506
	15	134.38	48,230	-2,714	1,327	1,258	0	462	0	2,241	0	-80	3,492
	16	133.67	45,424	-2,806	1,176	1,260	0	460	0	2,241	0	-21	3,496
	17	133.01	42,880	-2,544	1,402	1,260	0	462	0	2,261	0	37	3,512
	18	133.36	44,220	1,340	5,390	1,263	0	464	0	2,241	0	-82	3,494
	19	133.31	44,028	-192	3,820	1,258	0	464	0	2,241	0	-49	3,492
	20	133.61	45,189	1,161	5,092	1,262	0	466	0	2,261	0	58	3,512
	21	133.66	45,384	195	4,014	1,260	0	466	0	2,261	0	168	3,516
	22	132.98	42,766	-2,618	1,408	1,260	0	462	0	2,241	0	-63	3,492
	23	131.94	38,901	-3,865	114	1,258	0	462	0	2,241	0	-18	3,488
	24	131.83	38,503	-398	3,867	1,262	0	460	0	2,261	0	-282	3,502
	25	131.91	38,792	289	3,650	557	0	464	0	2,241	0	-99	3,486
	26	131.77	38,286	-506	2,284	186	0	464	0	2,241	0	101	3,486
	27	131.42	37,033	-1,253	1,480	192	0	462	0	2,261	0	182	3,500
	28	131.72	38,106	1,073	3,500	60	0	141	0	2,261	0	35	3,504
	29	131.97	39,011	905	3,188	0	0	0	0	2,261	0	-22	3,502
	30	132.35	40,405	1,394	3,654	0	0	0	0	2,261	0	1	3,502
	31	133.26	43,836	3,431	5,837	0	0	0	0	2,261	0	-145	3,495
Total				-6,699	109,721	32,430	0	13,380	1,560	69,800	0	750	108,440

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

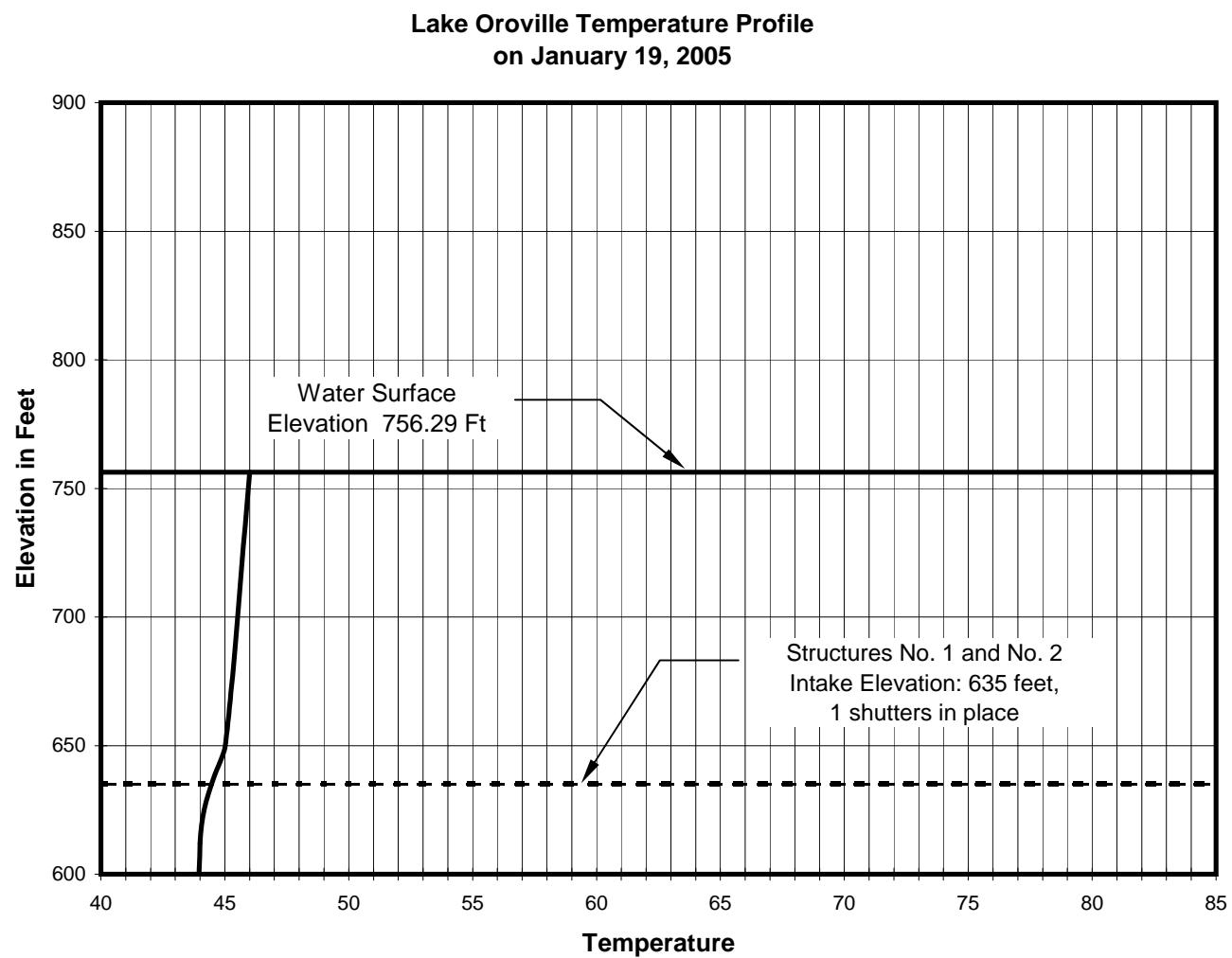
Table 7. Oroville-Thermalito Complex

Water Temperature Data

(in degrees Fahrenheit)

January 2005

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	46	46
2	46	46
3	46	47
4	46	46
5	45	46
6	46	46
7	45	46
8	45	45
9	45	45
10	45	45
11	45	46
12	45	46
13	45	45
14	45	45
15	45	45
16	45	45
17	45	45
18	45	44
19	45	44
20	45	44
21	45	44
22	45	44
23	45	44
24	45	44
25	45	44
26	46	44
27	46	45
28	47	45
29	47	45
30	47	44
31	47	44



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

January 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending					Table A Amount			Art. 21 Water		
	No.	Structure	Mile			M & I	Benicia	Vallejo			
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	1,795						
		Travis Surge Tank	8.78								
			8.80	Solano County Water Agency Travis Turnout	73				15 58		
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	265				265		
				Solano County Water Agency Fairfield / Vacaville 42"	48				48		
	2		17.00	Solano County Water Agency Central Solano	Stub						
	3A	Cordelia Forebay	21.23								
		Cordelia Pumping Plant & Cordelia Spillway	21.30		1,355						
		Napa Pipeline	21.33	Solano County Water Agency Vallejo	15				1/ 15		
				Solano County Water Agency Benicia	440				20 420		
3B	2	Cordelia Surge Tank	23.33								
		Creston Surge Tank Connection	25.65								
			26.95	Napa County Flood Control & WCD American Canyon 2	0						
			27.27	Napa County Flood Control & WCD American Canyon 3	0						
		Napa Terminal Tank	27.58	City of Napa	795				795		
			27.60	Napa County Flood Control & WCD American Canyon 1	105				105		

1/ Napa Co. FC&WCD Art. 56 carryover water through Solano Co.'s turnout for delivery to American Canyon.

Table 9. Delta Field Division Plant Data

(in acre-feet)

January 2005

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	69	52	14,146	14,146	113	0	0	0
2	70	49	14,683	14,683	113	0	0	0
3	57	37	13,856	13,856	204	0	0	0
4	63	42	16,239	16,239	111	0	0	0
5	63	52	15,830	15,830	119	0	0	0
6	64	44	16,599	16,599	118	0	0	0
7	59	45	13,183	13,183	104	0	0	0
8	58	47	16,224	16,224	130	0	0	0
9	60	44	12,726	12,726	106	0	0	0
10	43	36	16,357	16,357	126	0	0	0
11	59	41	17,043	17,043	98	0	0	0
12	59	41	14,659	14,659	76	0	0	0
13	71	48	16,665	16,665	66	0	0	14
14	55	38	16,539	16,539	115	0	0	0
15	50	42	16,753	16,753	134	0	0	0
16	56	44	16,708	16,708	117	0	0	0
17	60	42	15,123	15,123	120	0	0	0
18	58	45	16,414	16,414	120	0	0	0
19	58	45	16,123	16,123	143	0	0	0
20	58	46	16,161	16,161	134	0	0	0
21	58	41	15,628	15,628	135	0	0	0
22	61	47	15,615	15,615	129	0	0	0
23	53	43	15,072	15,072	122	0	0	0
24	58	45	15,192	15,192	126	0	0	0
25	54	43	14,860	14,860	109	0	0	19
26	53	45	14,923	14,923	98	0	0	46
27	57	46	14,696	14,696	101	0	0	54
28	55	45	14,920	14,920	75	0	0	51
29	49	35	15,131	15,131	59	0	0	50
30	57	45	15,155	15,155	81	0	0	50
31	50	40	15,351	15,351	67	0	0	64
Total	1,795	1,355	478,574	478,574	3,469	0	0	348

Table 10. Clifton Court Forebay

Daily Operation of Gates

January 2005

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	0:01	3:45	6:45	17:58					14,662
2	0:01	4:15	7:15	21:15					15,221
3	0:10	5:00	8:00	18:20	20:00	22:45			16,075
4	0:30	9:45	13:15	19:45	22:45	---			14,623
5	---	10:45	14:00	20:30	23:30	---			16,045
6	---	11:45	14:45	21:30					15,502
7	0:30	12:45	15:30	21:15					16,587
8	1:15	13:45	16:30	21:26					16,245
9	2:15	9:35	11:00	14:45	17:15	22:00			13,806
10	3:00	15:30	18:00	23:33					16,292
11	3:45	16:30	19:00	23:00					17,237
12	0:30	1:07	4:40	12:35	15:00	17:30	19:40	---	13,904
13	---	1:32	5:15	18:15	20:45	---			14,702
14	---	3:00	6:00	14:30	16:50	21:00	21:45	---	16,841
15	---	3:45	6:45	15:55	18:11	20:30	22:45	---	14,728
16	---	4:30	7:30	17:28	19:17	22:00			15,547
17	0:15	9:15	12:45	19:00	22:00	---			16,047
18	---	10:15	13:30	20:15	23:15	---			15,125
19	---	11:15	14:15	20:00					16,080
20	0:15	12:30	15:00	19:30					16,440
21	1:00	13:30	15:45	19:00					16,058
22	1:45	14:15	16:30	21:20					16,023
23	2:30	15:00	17:15	21:10					15,653
24	2:30	15:45	18:00	21:20					15,450
25	3:30	16:15	18:30	22:45					15,270
26	0:01	1:00	4:00	16:45	19:02	21:00			15,073
27	0:18	1:30	4:30	17:30	19:45	22:00			15,062
28	0:25	2:00	5:00	18:00	20:15	22:08			14,856
29	0:23	2:02	5:30	18:45	21:00	23:00			14,872
30	0:30	3:00	6:00	19:30	21:45	---			14,660
31	---	3:05	6:30	16:50	18:00	20:45	22:30	---	14,835
Total inflow for the month in AF:									479,521

Table 11. Governor Edmund G. Brown California Aqueduct
 Delta Field Division, Monthly Deliveries

(In acre-feet)

January 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A Amount	Article 55 Carryover	Local	Article 56 Carryover	Dry Year Purchase		
	No.	Structure	Mile									
1	Banks Pumping Plant	3.32			478,574	46	5	0	0	0		
	South Bay Pumping Plant	4.49	Bethany Reservoir Inlet		3,469							
	Check No. 1	5.95										
		8.08	Alameda Co. Zone 7 WA Mountain House Golf Course		0							
	Check No. 2	12.01										
		12.47	Musco Olive		46							
	Check No. 3	18.29										
		22.16	Tracy Golf & Country Club		0							
	Check No. 4	23.99										
	Check No. 5	29.73										
	Check No. 6	34.24										
2A		35.22	Turlock Fruit Company Inflow		0							
	Check No. 7	39.91										
		42.46	Oak Flat Water District-A		0	5	0	0	0	0		
		42.9	Western Hills WD		5							
		43.81	Oak Flat Water District-B		0							
		44.64	Oak Flat Water District-C		0							
	Check No. 8	45.97										
		46.18	Oak Flat Water District-D		0							
2B			Oak Flat Totals:		0	1	0	0	0	0		
	Check No. 9	51.3										
	Check No. 10	56.86										
	Check No. 11	61.4										
		66.14	Veteran's Cemetery		1							
	Check No. 12	66.71			479,723							

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

January 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries								
	Beginning and Ending					Table A Amount	Article 55 Carryover	Purchase Pool B	Article 56 Carryover	Recreation				
	No.	Structure	Mile											
1	1	South Bay Pumping Plant	0.00		3,469	1	636	259	5					
			3.17											
			3.18											
	Check No. 1	3.91												
	2	Check No. 2	5.21											
2	3		7.21		0	636	259	5						
		Check No. 3	9.49											
4	4	Check No. 4	10.68		0	259	5							
	5	Check No. 5	12.29											
	6		13.55											
			14.16											
			14.31											
		Check No. 6	14.65											
	7		14.78		Zone 7 Arroyo Mocho Project Water	259	5							
		Check No. 7	16.38											
5	8		16.57		0	13	5							
			16.69											
			16.70											
		Del Valle Branch Pipeline Junction	18.63		(Pumped into Lake Del Valle)	0								
					(Flow into South Bay Aqueduct)	348	13	7	3	3				
6		Deliveries through Del Valle Branch Pipeline												
7		La Costa Tunnel	22.50		ACWD Vallecitos Project Water	0	5	13	5					
			25.97											
8		Mission Tunnel	28.97		ACWD - Bayside 1 & 2 Project Water:	1,400	7	1,400	3					
9		Santa Clara Pipeline	35.86		S.C.V.W.D. Meter	567		567						

Table 13. Lake Del Valle

Daily Operation

Capacity: 77,106 ac-ft

January 2005

(in acre-feet except as noted)

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct	Recreation Deliveries 2/	Evaporation	Total Outflow	
Dec 31	683.82	27,814									
1	685.07	28,508	694	695	0	0	0	0	1	1	0.30
2	685.71	28,869	361	363	0	0	0	0	2	2	0.10
3	686.50	29,320	451	452	0	0	0	0	1	1	0.29
4	687.00	29,608	288	289	0	0	0	0	1	1	0.05
5	687.27	29,764	156	157	0	0	0	0	1	1	0.00
6	687.46	29,875	111	112	0	0	0	0	1	1	0.02
7	688.22	30,320	445	448	0	0	0	0	3	3	0.22
8	690.66	31,782	1,462	1,463	0	0	0	0	1	1	0.37
9	692.21	32,736	954	954	0	0	0	0	0	0	0.23
10	693.07	33,274	538	538	0	0	0	0	0	0	0.02
11	695.29	34,689	1,415	1,416	0	0	0	0	1	1	0.85
12	696.51	35,485	796	796	0	0	0	0	0	0	0.05
13	697.06	35,848	363	379	0	0	14	0	2	16	0.02
14	697.40	36,074	226	227	0	0	0	0	1	1	0.01
15	697.65	36,240	166	167	0	0	0	0	1	1	0.00
16	697.83	36,360	120	122	0	0	0	0	2	2	0.00
17	697.97	36,454	94	96	0	0	0	0	2	2	0.00
18	698.06	36,514	60	62	0	0	0	0	2	2	0.00
19	698.18	36,594	80	82	0	0	0	0	2	2	0.00
20	698.27	36,655	61	63	0	0	0	0	2	2	0.02
21	698.32	36,688	33	35	0	0	0	0	2	2	0.00
22	698.40	36,742	54	57	0	0	0	0	3	3	0.00
23	698.46	36,783	41	43	0	0	0	0	2	2	0.00
24	698.50	36,809	26	28	0	0	0	0	2	2	0.01
25	698.53	36,830	21	41	0	0	19	0	1	20	0.03
26	698.54	36,836	6	52	0	0	46	0	0	46	0.12
27	698.56	36,850	14	71	0	0	54	1	2	57	0.08
28	698.65	36,910	60	113	0	0	51	1	1	53	0.46
29	698.71	36,951	41	93	0	0	50	1	1	52	0.23
30	698.73	36,964	13	66	0	0	50	1	2	53	0.00
31	698.74	36,971	7	75	0	0	64	1	3	68	0.00
Total				9,157	9,555	0	0	348	5	45	398
											3.48

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

January 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 56,430 ac-ft

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)	
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliveries 2/		
Dec 31	223.36	52,009											
1	222.00	48,385	-3,624	0	3,877	0	7,170	0	11,377	1,457	5	-35	
2	220.67	44,897	-3,488	0	3,809	0	7,150	0	11,225	1,627	5	139	
3	222.39	49,421	4,524	0	3,396	0	7,071	0	6,311	1,897	5	27	
4	223.58	52,598	3,177	0	3,351	0	8,007	0	7,849	1,949	5	47	
5	223.54	52,491	-107	0	3,335	0	7,887	0	9,398	2,010	5	137	
6	223.89	53,431	940	0	3,569	0	8,465	0	9,802	1,802	5	49	
7	222.77	50,433	-2,998	0	3,846	0	6,897	0	10,913	1,466	5	130	
8	222.78	50,459	26	0	4,010	0	7,979	0	10,750	1,259	5	38	
9	221.61	47,362	-3,097	0	3,935	0	6,482	0	10,634	1,408	5	69	
10	222.99	51,019	3,657	0	3,964	0	8,246	0	9,859	422	5	-80	
11	224.68	55,564	4,545	0	3,824	0	8,986	0	10,530	109	5	125	
12	223.97	53,646	-1,918	0	3,895	0	7,285	0	10,460	1,845	0	158	
13	224.11	54,023	377	0	3,877	0	8,360	0	10,337	1,753	0	43	
14	224.41	54,833	810	0	3,850	0	8,378	0	10,249	1,664	0	93	
15	224.47	54,995	162	0	3,832	0	8,437	0	10,185	2,160	0	158	
16	224.37	54,725	-270	0	3,802	0	8,530	0	10,068	2,428	0	28	
17	224.18	54,212	-513	0	3,749	0	7,926	0	9,979	2,030	0	75	
18	224.60	55,347	1,135	0	3,857	0	8,196	0	9,867	1,685	0	71	
19	223.90	53,458	-1,889	0	3,853	0	8,128	0	9,778	2,913	0	-242	
20	223.64	52,759	-699	0	3,773	0	8,192	0	9,708	2,808	0	199	
21	222.76	50,406	-2,353	0	3,779	0	8,008	0	9,593	3,399	0	19	
22	221.82	47,914	-2,492	0	3,777	0	8,056	0	9,447	3,813	0	171	
23	220.60	44,714	-3,200	0	3,800	0	7,869	0	9,263	4,119	0	100	
24	220.80	45,237	523	0	3,799	0	7,580	0	7,172	4,200	0	257	
25	221.07	45,944	707	0	3,815	0	7,513	0	7,220	4,027	0	275	
26	221.67	47,519	1,575	0	3,814	0	7,081	0	6,162	4,045	0	106	
27	221.79	47,835	316	0	3,744	0	7,255	0	7,092	4,065	0	317	
28	222.44	49,554	1,719	0	3,773	0	7,526	0	6,906	3,703	0	177	
29	222.89	50,753	1,199	0	3,770	0	7,655	0	6,906	4,127	0	212	
30	222.10	48,650	-2,103	0	3,819	0	7,659	0	8,453	4,464	0	379	
31	223.26	51,741	3,091	0	3,772	0	7,883	0	6,598	3,715	0	216	
Total				-268	0	117,066	0	241,857	0	284,091	78,369	55	3,458
Mean cfs				---	0	3,776	0	7,802	0	9,164	2,528	2	112
Acre-feet				-268	0	232,200	0	479,723	0	563,493	155,447	110	6,858

1/ Pump-in located at Mile 79.67R.

2/ Includes 56 AF delivered to DFG at O'Neill Forebay, 1 AF to Cattle, and 52 AF to San Luis Water District.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

January 2005

United States
 Department of the Interior
 Bureau of Reclamation
 Central Valley Project

State of California
 The Resources Agency
 Department of Water Resources
 State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)	Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.	
Dec 31	479.90	1,283,146						
1	481.87	1,304,612	21,466	11,377	0	195	0	-360
2	483.78	1,325,537	20,925	11,225	0	194	0	-481
3	484.81	1,336,868	11,331	6,311	0	193	0	-405
4	486.18	1,351,988	15,120	7,849	0	186	0	-40
5	487.74	1,369,275	17,287	9,398	0	175	0	-508
6	489.38	1,387,528	18,253	9,802	0	183	0	-417
7	491.23	1,408,215	20,687	10,913	0	175	0	-308
8	493.05	1,428,668	20,453	10,750	0	160	0	-278
9	494.85	1,448,993	20,325	10,634	0	176	0	-211
10	496.51	1,467,824	18,831	9,859	0	181	0	-184
11	498.33	1,488,564	20,740	10,530	0	178	0	104
12	500.01	1,507,796	19,232	10,460	0	178	0	-586
13	501.69	1,527,111	19,315	10,337	0	174	0	-425
14	503.35	1,546,280	19,169	10,249	0	166	0	-419
15	504.95	1,564,832	18,552	10,185	0	172	0	-660
16	506.59	1,583,926	19,094	10,068	0	177	0	-265
17	508.17	1,602,397	18,471	9,979	0	176	0	-491
18	509.74	1,620,823	18,426	9,867	0	172	0	-405
19	511.30	1,639,203	18,380	9,778	0	175	0	-337
20	512.81	1,657,061	17,858	9,708	0	170	0	-535
21	514.30	1,674,749	17,688	9,593	0	173	0	-502
22	515.75	1,692,023	17,274	9,447	0	174	0	-564
23	517.17	1,708,999	16,976	9,263	0	171	0	-533
24	518.26	1,722,069	13,070	7,172	0	178	0	-405
25	519.33	1,734,933	12,864	7,220	0	188	0	-546
26	520.27	1,746,261	11,328	6,162	0	154	0	-297
27	521.35	1,759,308	13,047	7,092	0	154	0	-360
28	522.35	1,771,418	12,110	6,906	0	145	0	-656
29	523.36	1,783,678	12,260	6,906	0	130	0	-595
30	524.59	1,798,649	14,971	8,453	0	139	0	-766
31	525.56	1,810,485	11,836	6,598	0	179	0	-452
Total			527,339	284,091	0	5,341	0	-12,887
Mean cfs			---	9,164	0	172	0	-416
Acre-feet			527,339	563,493	0	10,593	0	-25,561

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 9,599 AF, San Benito: 994 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

January 2005

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	2,890	1,708	0	0	22,566	14,663	386
2	3,227	2,027	0	0	22,265	14,435	384
3	3,763	2,481	0	0	12,518	8,481	383
4	3,865	2,595	0	0	15,568	9,744	369
5	3,986	2,686	0	0	18,640	11,971	347
6	3,575	2,289	0	0	19,442	13,678	362
7	2,908	2,377	0	0	21,645	15,946	347
8	2,498	1,982	0	0	21,323	17,414	317
9	2,792	2,279	0	0	21,092	10,739	349
10	838	336	0	0	19,555	13,431	360
11	217	-300	0	0	20,886	13,396	354
12	3,659	3,124	0	0	20,747	13,292	354
13	3,478	2,935	0	0	20,504	13,106	345
14	3,301	2,775	0	0	20,329	12,975	329
15	4,285	3,750	0	0	20,202	12,872	341
16	4,816	4,278	0	0	19,969	12,695	351
17	4,027	3,490	0	0	19,794	14,829	350
18	3,342	2,801	0	0	19,572	11,665	341
19	5,778	5,286	0	0	19,394	11,528	348
20	5,570	5,029	0	0	19,255	11,409	337
21	6,741	6,214	0	0	19,027	11,234	0
22	7,564	7,028	0	0	18,739	11,015	343
23	8,171	7,640	0	0	18,374	9,056	685
24	8,330	7,791	0	0	14,226	8,733	353
25	7,988	6,659	0	0	14,321	8,850	372
26	8,023	6,698	0	0	12,222	6,837	305
27	8,062	6,740	0	0	14,066	8,482	306
28	7,344	5,510	0	0	13,699	8,537	287
29	8,185	6,350	0	0	13,699	8,378	258
30	8,855	7,066	0	0	16,767	7,979	275
31	7,369	5,528	0	0	13,087	7,933	355
Total	155,447	127,152	0	0	563,493	355,303	10,593

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping;
adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations

January 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Dec 31	325.24	19,393					
1	325.93	19,708	315	159	0	0	0
2	326.24	19,850	142	72	0	0	-1
3	326.44	19,942	92	46	0	0	1
4	326.58	20,007	65	33	0	0	0
5	326.68	20,053	46	23	0	0	0
6	326.77	20,095	42	21	0	0	0
7	327.13	20,262	167	84	0	0	0
8	328.01	20,674	412	241	0	33	-1
9	328.27	20,797	123	262	0	200	0
10	328.41	20,863	66	233	0	200	1
11	331.44	22,323	1,460	936	0	200	0
12	331.76	22,480	157	279	0	200	0
13	331.43	22,318	-162	118	0	200	1
14	330.91	22,064	-254	72	0	200	0
15	330.32	21,777	-287	55	0	200	1
16	329.66	21,459	-318	40	0	200	-1
17	328.97	21,129	-330	33	0	200	1
18	328.26	20,792	-337	30	0	200	0
19	327.52	20,444	-348	25	0	200	-1
20	326.78	20,100	-344	27	0	200	-1
21	326.43	19,938	-162	18	0	100	1
22	326.51	19,975	37	19	0	0	-1
23	326.58	20,007	32	16	0	0	0
24	326.65	20,039	32	16	0	0	0
25	326.72	20,072	33	17	0	0	-1
26	326.78	20,100	28	14	0	0	0
27	326.83	20,123	23	12	0	0	-1
28	326.90	20,155	32	16	0	0	0
29	327.00	20,202	47	24	0	0	-1
30	327.07	20,234	32	16	0	0	0
31	327.07	20,234	0	0	0	0	0
Total			841	2,957	0	2,533	-3
Mean cfs			---	95	0	82	---
Acre-feet			841	5,865	0	5,025	-3

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

January 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 5,580 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Dec 31	601.05	739					
1	601.05	739	0	0	0	0	0
2	601.05	739	2	1	0	0	0
3	601.10	741	0	0	0	0	0
4	601.10	741	3	2	0	0	-1
5	601.15	744	3	2	0	0	-1
6	601.20	747	0	0	0	0	0
7	601.20	747	5	3	0	0	-1
8	601.30	752	0	0	0	0	0
9	601.30	752	0	0	0	0	0
10	601.30	752	23	12	0	0	-1
11	601.70	775	19	11	0	1	-1
12	602.10	794	44	34	0	12	0
13	602.80	838	0	9	0	9	0
14	602.80	838	-9	0	0	4	-1
15	602.65	829	0	4	0	4	0
16	602.65	829	-3	1	0	3	1
17	602.60	826	0	3	0	3	0
18	602.60	826	0	3	0	3	0
19	602.60	826	0	3	0	3	0
20	602.60	826	0	3	0	3	0
21	602.60	826	-5	2	0	2	-5
22	602.60	826	5	2	0	2	5
23	602.60	826	0	2	0	2	0
24	602.60	826	0	2	0	2	0
25	602.60	826	0	2	0	2	0
26	602.60	826	0	2	0	2	0
27	602.60	826	0	2	0	2	0
28	602.60	826	0	2	0	2	0
29	602.60	826	0	2	0	2	0
30	602.60	826	0	2	0	2	0
31	602.60	826	0	2	0	2	0
Total	602.60	826	87	113	0	67	---
Mean cfs			---	4	0	2	---
Acre-feet			87	223	0	132	-4

Table 19a. Governor Edmund G. Brown California Aqueduct
San Luis Field Division, Monthly Deliveries

(In acre-feet)

January 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending					USBR	Article 55 Carryover	DWR Recreation	Article 56 Carryover		
	No.	Structure	Mile								
2B	12	Check No. 12	66.71		479,723						
3A		San Luis Reservoir		Department of Parks and Recreation	0	9,599					
				San Felipe Division Santa Clara Water District	9,599						
				San Felipe Division San Benito Water District	994						
3	13	O'Neill Forebay	70.85	Department of Parks and Recreation				1	25		
				Cattle Program	1						
				Department of Fish & Game	56						
			70.91	San Luis Water District	53	53					
			Thru 85.08	(Floodwater Inflow)	0						
				Reach 3 Subtotal:	110						
		Dos Amigos Pumping Plant	86.73		155,447						
			89.03	San Luis Water District	326	326					
4	14		Thru 94.06								
			89.66	Pacheco Water District	189		189				
			Thru 89.67								
			89.68	Panoche Water District	34		34				
			89.70	City of Dos Palos	67						
		Check No. 14	95.06								
			98.15	San Luis Water District	306	306					
			Thru 104.20								
			96.15	Panoche Water District	1,824		1,824				
			Thru 102.64	(Floodwater Inflow)	0						
			102.64	Broadview Water District	1						
	15		105.22	Westlands Water District	2,213	2,213					
			Thru 108.64								
			Check No.15	108.50							
				San Felipe Division Total:	10,593		10,593	0	0		
				Pacheco Water District Total:	189						
				Broadview Water District Total:	1	1	0	0	0		
				City of Dos Palos Total:	67						
				SLWD Reach 4 Subtotal:	685	685	0	0	0		
				Panoche Water District Total:	1,858						
				SLWD Total:	685	685	0	0	0		
				Westlands WD Reach 4 Subtotal:	2,213						

Table 19b. Governor Edmund G. Brown California Aqueduct
San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

January 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					USBR	Article 55 Carryover	DWR Recreation	Article 56 Carryover				
	No.	Structure	Mile										
5	16		110.52	(Reverse flow, Kings River)	0	2,378	43	36					
			Thru	Westlands Water District	2,378								
			122.05	Department of Fish and Game	79								
		Check No. 16	122.07										
	17		124.18	Westlands Water District	3,104	3,104							
			Thru										
		Check No. 17	132.95										
	18		133.81	Westlands Water District	1,550	1,550							
			Thru										
			142.61										
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	1,197	1,197							
			143.16	City of Coalinga	352								
		Check No. 18	143.23										
				Westlands WD Reach 5 Subtotal:	8,229	8,229	0	0	0				
6	19		145.26	Kings County through Lemoore Naval Air Station	226	6,200	226						
			Thru	Westlands Water District	6,200								
			151.19	Westlands Water District Lemoore Naval Air Station	93		1/ 93						
		Check No. 19	155.64										
				Westlands WD Reach 6 Subtotal:	6,200	6,200	0	0	0				
7	20		156.34	City of Huron	49	5,972	49						
			156.40	Westlands Water District	5,972								
			Thru										
			163.69										
		Check No. 20	164.69										
	21		164.79	City of Avenal	181	391	181						
			167.04	Westlands Water District	391								
			Thru										
			171.67										
		Check No. 21	172.40		114,888								
				Reach 7 Total:	6,593	6,593	0	0	0				
				Westlands WD Total:	23,005	23,005	0	0	0				
				City of Coalinga Total:	352	352	0	0	0				
				Kings Co. through Lemoore N.A.S. (WWD 29L & 30L)	226	0	226	0	0				
				Kings County to Lemoore N.A.S. through Westlands @29L & 30L	93	0	93	0					
				City of Huron Total:	49	49	0	0	0				
				City of Avenal Total:	181	181	0	0	0				
				Total San Luis Field Division Deliveries:	37,435	36,980	319	75	61				

1/ Westlands Water District transferred 93 AF from County of Kings to Lemoore N.A.S.

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations

January 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project	Dos Amigos Pumping Plant	Pools 14 & 15 2/	Pool 15	Pools 15 thru 21 3/	Flow Past Check 21	
Dec 31	28,213								
1	27,983	-230	13	1,457	8	1	157	1,397	-23
2	27,077	-906	3	1,627	8	1	157	1,894	-27
3	27,476	399	34	1,897	8	1	157	1,330	-233
4	27,501	25	21	1,949	8	1	157	1,639	-152
5	27,428	-73	5	2,010	9	1	158	1,804	-79
6	26,781	-647	3	1,802	7	0	117	1,910	-97
7	26,492	-289	12	1,466	7	0	117	1,542	42
8	26,462	-30	28	1,259	7	0	117	1,258	80
9	26,435	-27	31	1,408	7	0	117	1,393	65
10	26,509	74	31	422	7	0	117	307	15
11	26,049	-460	29	109	7	0	117	179	-66
12	27,266	1,217	15	1,845	8	0	117	852	-269
13	27,697	431	237	1,753	7	31	326	1,159	-250
14	28,015	318	106	1,664	7	31	326	898	-348
15	28,138	123	5	2,160	7	31	326	1,528	-211
16	28,880	742	5	2,428	7	31	326	1,302	-393
17	28,709	-171	4	2,030	7	31	326	1,492	-264
18	27,241	-1,468	2	1,685	7	31	326	1,516	-547
19	27,917	676	1	2,913	8	34	326	2,274	69
20	27,799	-118	0	2,808	16	47	633	1,862	-310
21	27,759	-40	0	3,399	16	47	633	2,625	-98
22	27,548	-211	0	3,813	16	47	633	2,699	-524
23	26,989	-559	0	4,119	16	47	633	3,493	-212
24	27,273	284	0	4,200	16	47	633	2,728	-633
25	27,504	231	0	4,027	16	47	633	2,618	-596
26	27,557	53	0	4,045	16	48	633	2,496	-826
27	27,622	65	0	4,065	39	76	755	2,606	-556
28	27,354	-268	0	3,703	39	76	755	2,517	-451
29	27,573	219	0	4,127	39	76	755	2,897	-249
30	27,559	-14	0	4,464	39	76	755	3,179	-422
31	27,589	30	0	3,715	39	77	755	2,528	-301
Total		-624	585	78,369	448	936	12,093	57,922	-7,870
Mean cfs		---	21	2,528	14	30	390	1,868	-254
Acre-feet		-624	1,161	155,447	888	1,857	23,986	114,888	-15,613

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 188 AF AG & 1 AF M&I to Pacheco W.D. and 67 AF to the City of Dos Palos.

3/ Includes 49 AF to the City of Huron, 181 AF to the City of Avenal, 352 AF to the City of Coalinga, 93 AF to Lemoore N.A.S. @ 30L, 226 AF to Kings County through Lemoore N.A.S. @ 30L, 1 AF to Broadview WD, 73 AF to DFG for Pilobos Wildlife @ 4L, 6 AF to DFG for Mendota Water-Fowl Habitat Area @ 6L, and 23,005 AF to WWD.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

January 2005

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrismen Pumping Plant	Edmonston Pumping Plant
1	54	54	49	44	49	2,946	3,150	2,984	2,996
2	24	24	34	31	36	4,039	3,981	3,855	3,858
3	39	39	36	34	38	2,963	3,299	3,171	606
4	72	72	59	56	61	3,838	3,965	3,830	2,538
5	67	67	48	44	50	3,682	3,840	3,734	3,710
6	60	60	34	33	36	3,902	4,087	3,971	3,786
7	51	51	32	30	32	3,706	3,612	3,496	4,023
8	51	51	41	37	43	2,731	2,716	2,621	3,397
9	32	32	43	40	44	1,553	1,663	1,556	2,650
10	35	35	30	28	31	447	399	370	1,367
11	22	22	25	23	27	53	58	74	385
12	42	42	29	26	30	559	619	552	81
13	106	106	31	27	31	105	112	109	574
14	113	113	40	36	41	787	788	831	106
15	93	93	31	28	32	1,044	1,241	1,155	884
16	76	76	46	40	46	1,498	1,226	1,196	1,215
17	86	86	36	33	39	1,146	1,240	1,211	1,272
18	100	100	45	43	45	1,937	1,964	1,872	1,186
19	112	112	40	36	41	2,180	2,306	2,266	1,921
20	60	60	39	36	42	2,179	2,213	2,168	2,270
21	64	64	36	33	37	2,637	2,623	2,527	2,273
22	179	179	48	45	50	2,780	2,714	2,681	2,443
23	105	105	37	34	38	2,715	2,943	2,866	2,747
24	48	48	32	29	34	2,391	2,414	2,419	2,765
25	34	34	44	41	46	2,391	2,422	2,304	2,205
26	86	86	48	44	50	2,285	2,432	2,331	2,375
27	61	61	36	33	36	2,470	2,427	2,357	2,382
28	40	40	30	27	33	2,198	2,427	2,365	2,382
29	42	42	33	30	33	2,262	2,143	2,368	2,382
30	64	64	44	41	47	3,193	3,312	3,257	2,308
31	41	41	40	36	42	2,439	2,520	2,449	3,223
Total	2,059	2,059	1,196	1,098	1,240	69,056	70,856	68,946	66,310

Table 22a. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

January 2005

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries						
	Beginning and Ending					Table A Amount	Article 55 Carryover	Article 21 Water	Article 56 Carryover	Other		
	No.	Structure	Mile									
7	21	Check No. 21	172.40		114,888							
8C	22			Empire West Side Irrig. Dist. TL - A	353					1/ 353		
				County of Kings TL - A	256					2/ 158		
				TLBWSA TL-A	1,779					3/ 35		
				175.18 DRWD - 1	677	90				3/ 1		
				177.54 DRWD - 1B	56	16				3/ 13		
				180.64 TLBWSA - C	0							
				180.65 DRWD - 1A	1							
				182.99 DRWD - 2	1,207	21						
				183.00 Tulare Lake Basin WSD TL - B	2,025							
				184.00 DRWD - Paramount	1	1						
31A				184.63 Coastal Branch	2,059							
8D				184.78 Dudley Ridge Water Dist. DRWD - 3	0							
				Dudley Ridge Reach 8D Total:	1,942	128	0	1,765	0	49		
				Tulare Lake Basin WSD Total:	3,804	0	0	3,646	0	158		
				Check No. 22	184.82							
9	23			189.69 Kern County Water Agency Lost Hills Water Dist. - 1	136				136			
				191.18 Kern County Water Agency Lost Hills Water Dist. - 2	4				4			
				194.22 Kern County Water Agency Lost Hills Water Dist. - 3	0							
				196.40 Kern County Water Agency Berrenda Mesa - 2	0							
				196.75 Kern County Water Agency Lost Hills Water Dist. - 4	99				99			
				K.C.W.A. Reach 9 Subtotal:	239	0	0	239	0	0		
				Check No. 23	197.05							
10A	24			201.24 Kern County Water Agency Lost Hills Water Dist. - 7	101				101			
				202.05 Kern County Water Agency Lost Hills Water Dist. - 5	223				223			
				204.69 Kern County Water Agency Lost Hills Water Dist. - 6	0							
				205.26 Kern County Water Agency Lost Hills Water Dist. - 8	0							
				Check No. 24	207.94							
				209.71 Kern County Water Agency Belridge Water Storage Dist. - 1A	0							
				209.78 Kern National Wildlife Refuge USBR BV-1B	0							
					Kern County Water Agency Buena Vista WSD 1B	67				67		
				209.80 KCWA Semitropic WSD	1,339					4/ 1,339		
				KCWA Semitropic WSD Penstocks	1,270					4/ 319		
				USBR Total:	0	0	0	0	0	0		
				K.C.W.A. Reach 10A Subtotal:	3,000	0	0	1,275	67	1,658		

1/ Wet weather Table A carryover. (Empire Only)

2/ Dudley Ridge WD transferred 845 AF of Art. 21 water and 48 AF of carryover to Kern Water Bank.

3/ Table A carryover under Article 56.

4/ Alameda County WD Carryover to Semitropic WSD.

Table 22b. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

January 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A Amount	Article 55 Carryover	Article 21 Water	Article 56 Carryover	Other		
	No.	Structure	Mile									
11B	25		210.75	Kern County Water Agency Belridge - 2	0			139	421	79		
			214.11	Kern County Water Agency Belridge - 3	139							
			216.62	Kern County Water Agency Belridge - 4	0							
			217.13	Kern County Water Agency Belridge - 5	421							
				Kern County Water Agency Belridge - 5D	79							
		Check No. 25	217.79									
				K.C.W.A. Reach 11B Subtotal:	639	0	0	639	0	0		
12D	26		219.58	Kern County Water Agency Belridge - 6	0			212				
				Kern County Water Agency West Kern - 3	212							
		Check No. 26	224.92									
12E	27		230.37	Kern County Water Agency Buena Vista - 6	606			606	5,481			
			Check No. 27	231.73								
			235.75	Kern County Water Agency Buena Vista - 2	1,196							
				Kern County WA CVC	15,960							
			238.04	DRWD CVC	0							
	28			Tulare Co.	0							
				Lower Tule River	0							
				Fresno Co.	0							
				Pixley ID	0							
				Hacienda DWR Wells	0							
		Check No. 28	238.11									
				1/ Arvin Edison Total:	0	0	0	0	0	0		
				Reach 12E Subtotal:	17,762	2,913	927	6,944	6,978	0		
13B	29		238.19	Kern Water Bank Inflow	0			17,211	2/ 893			
				Kern Water Bank Outflow	26,391							
				Kern River Intertie (inflow)	0							
				KCWA Buena Vista WSD - 7	0							
				KCWA Buena Vista WSD - 5	946							
				Kern County Water Agency Buena Vista - 3	1,031							
		Check No. 29	244.54	Buena Vista WSD	0							
	30		249.85	Kern County Water Agency Buena Vista - 4	552							
			250.99		69,056							
				K.C.W.A. Reach 13B Subtotal:	28,920	2,780	7,005	18,242	0	893		
		Buena Vista Pumping Plant		Kern County Water Agency Wheeler Ridge-Maricopa - 2	3				3			
14A	31		254.47	Kern County Water Agency West Kern - 2	0							
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	3							

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ Dudley Ridge WD transferred 845 AF of Art. 21 water and 48 AF of carryover to Kern Water Bank.

Table 22c. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

January 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A Amount	Article 55 Carryover	Article 21 Water	Article 56 Carryover	Other		
	No.	Structure	Mile									
14A	31	Check No. 31	256.14									
	32		258.61		Kern County Water Agency	1		1				
			260.44		Kern County Water Agency		8	8				
			261.72		Wheeler Ridge-Maricopa - 3							
					Kern County Water Agency							
					Wheeler Ridge-Maricopa - 4							
					KCWA Reach 14A Subtotal:		12	0	0	0		
14B	33		264.42		Kern County Water Agency	162		162				
			266.91		Kern County Water Agency		11	11				
			267.36		Wheeler Ridge-Maricopa - 5							
	34		270.24		Kern County Water Agency	47		47				
			271.27		Wheeler Ridge-Maricopa - 6							
					KCWA Reach 14B Total:		220	0	0	0		
14C	35		272.39		Kern County Water Agency	149		149				
			276.09		Kern County Water Agency		126	126				
			277.30		Wheeler Ridge-Maricopa - 8							
					Arvin-Edison WSD							
					KCWA Reach 14C Total:		284	0	0	0		
15A	36		278.13		Teerink Pumping Plant	70,856						
			279.02		Kern County Water Agency		0	0				
			280.06		Wheeler Ridge-Maricopa - 9A							
					Kern County Water Agency							
					Wheeler Ridge-Maricopa - 10							
					KCWA Reach 15-A Total:		199	0	0	0		
16A	37		280.36		Chrisman Pumping Plant	68,946						
			282.06		Kern County Water Agency		0	0				
			283.95		Wheeler Ridge-Maricopa - 11							
	38		285.01		Kern County Water Agency	7		7				
			286.39		Wheeler Ridge-Maricopa - 12							
			287.06		Kern County Water Agency							
	39		287.09		Wheeler Ridge-Maricopa - 13	0						
			287.62		Kern County Water Agency							
	40		290.21		Wheeler Ridge-Maricopa - 13B	0		6				
			291.26		Kern County Water Agency		3	3				
			293.07		Wheeler Ridge-Maricopa - 14							
					Tehachapi Cummings CWD							
					K.C.W.A. Reach 16A Subtotal:		17	0	0	0		
17E		Edmonston Pumping Plant	293.45			66,310						

2/ Dudley Ridge WD transferred 845 AF of Art. 21 water and 48 AF of carryover to Kern Water Bank.

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

January 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A Amount	Article 55 Carryover	Article 21 Water	Article 56 Carryover	Other		
	No.	Structure	Mile									
31A	C-1	Coastal Branch Control	0.02		2,059							
		Las Perillas Pumping Plant	1.16		2,059							
	C-2		3.79	Green Valley Water District	0							
		Badger Hill Pumping Plant	4.27		2,059							
	C-3	Coastal Check No. 3	7.21									
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0							
		Coastal Check No. 4	9.34									
	C-5	Coastal Check No. 5	12.20									
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	0							
			14.83	Kern County Water Agency Berrenda Mesa - 1	818							
				Kern County Water Agency Berrenda Mesa - PO	9							
		Devil's Den Pumping Plant	14.86		1,196							
				K.C.W.A. Reach 31A Subtotal:	0	0	0	0	0			
				K.C.W.A. Total:	52,322	5,693	7,932	29,101	7,045	2,551		
33A	C-7	Bluestone Pumping Plant	19.05		1,098							
	C-8	Polonio Pass Pumping Plant	26.54		1,240							
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant								
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	1,047							
		Tank Site 2	58.63	Central Coast:	0							
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	157							
		Energy Dissipater	78.12									
35	C-12	Lopez T.O.	85.86	SLOCFC & WCD	0							
				CCWA Total:	1,204							
		Guadalupe T.O.	102.70	SBCFC & WCD	0							
		Santa Maria T.O.	107.43	SBCFC & WCD	0							
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0							
38				SBCFC & WCD Total:	0	0	0	0	0	0		
		Tank Site 5	115.42									

1/ Article 14B carryover.

Table 24. Southern Field Division Plant Data

(in acre-feet)

January 2005

Date	West Branch					East Branch										
	Oso Pumping Plant	Warne Powerplant		Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Cherry Valley	Green Spot	Crafton Hills
		Generation	Leakage	Generation 1/	Pumpback 1/	Generation	Bypass Through Plant	Cottonwood Chute		Generation	Leakage	Bypass Flume				
1	1,148	1,362	0	2,152	0	1,917	0	0	1,283	1,232	0	0	1,665	0	0	0
2	2,209	1,568	0	256	0	1,680	0	0	1,507	1,549	0	0	1,773	0	0	0
3	1,363	1,576	0	1,754	790	1,828	0	0	1,938	2,028	0	0	2,161	0	0	0
4	1,280	1,622	0	1,972	0	2,277	0	195	2,144	2,367	0	0	2,621	0	0	0
5	1,445	1,628	0	1,332	11	2,086	0	244	2,321	2,311	0	0	2,410	0	0	0
6	1,470	1,625	0	2,084	0	2,332	0	293	2,500	2,539	0	0	2,467	0	0	0
7	599	70	0	1,525	0	2,269	0	535	2,176	2,239	0	0	2,351	0	0	0
8	475	0	0	901	1,164	1,942	0	298	2,181	1,980	0	0	1,529	0	0	0
9	497	0	0	2,159	0	1,056	0	0	1,250	1,154	0	0	1,056	0	0	0
10	195	0	0	512	1,405	273	0	0	0	18	0	0	1,137	0	0	0
11	0	0	0	541	0	105	0	0	85	94	0	0	1,234	0	0	0
12	0	0	0	3,364	0	549	0	0	543	451	0	0	1,202	0	0	0
13	0	0	0	4,127	0	127	0	0	106	129	0	0	1,176	0	0	0
14	0	85	0	3,384	822	865	0	0	880	890	0	0	1,138	0	0	0
15	0	0	0	397	0	1,083	0	0	1,030	1,025	0	0	1,061	0	0	0
16	0	0	0	358	0	1,282	0	0	1,127	1,121	0	0	1,059	0	0	0
17	0	0	0	322	0	1,177	0	0	1,142	1,245	0	0	1,110	0	0	0
18	0	12	0	473	0	1,705	0	160	1,573	1,917	0	0	1,515	0	0	0
19	0	0	0	403	0	2,035	0	167	2,145	1,942	0	0	2,230	0	0	0
20	0	0	0	4	0	2,093	0	170	2,032	2,062	0	0	2,136	0	0	0
21	0	0	0	44	0	2,275	0	139	2,216	2,209	0	0	2,280	0	0	0
22	0	0	0	0	0	2,578	0	176	2,469	2,687	0	0	2,097	0	0	0
23	0	0	0	0	0	2,577	0	112	2,373	2,458	0	0	2,254	0	0	0
24	0	0	0	54	0	2,142	0	182	2,341	2,329	0	0	2,514	0	0	0
25	0	0	0	4	0	2,105	0	238	2,014	2,098	0	0	2,342	0	0	0
26	0	0	0	0	0	2,111	0	221	2,179	2,215	0	0	2,663	0	1	0
27	0	0	0	0	0	2,090	0	238	2,013	2,055	0	0	2,797	0	21	20
28	0	22	0	0	0	2,119	0	186	2,016	1,890	0	0	2,574	0	0	0
29	0	0	0	0	0	2,083	0	203	2,166	2,381	0	0	2,254	0	0	0
30	0	0	0	0	0	2,918	0	239	3,108	3,202	0	0	2,263	0	0	0
31	134	375	0	63	0	2,082	0	97	2,194	2,155	0	0	2,404	0	0	0
Total	10,815	9,945	0	28,185	4,192	53,761	0	4,093	53,052	53,972	0	0	59,473	0	22	20

1/ Values supplied by LADWP, not verified by DWR.

Table 25. Pyramid Lake

Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

January 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)	
				Project		Natural	Project		Natural	United Water Agency		
				Castaic Powerplant Pumpback 1/	Warne Powerplant	Stream Flow	Castaic Powerplant Generation 1/	Recreation Deliveries	To Piru Creek			
Dec 31	2569.23	158,825										
1	2568.42	157,827	-998	0	1,362	436	2,152	0	319	0	-325	
2	2569.42	159,060	1,233	0	1,568	254	256	0	787	0	454	
3	2570.35	160,212	1,152	790	1,576	360	1,754	0	292	0	472	
4	2569.96	159,728	-484	0	1,622	297	1,972	0	393	0	-38	
5	2570.10	159,902	174	11	1,628	235	1,332	0	300	0	-68	
6	2569.52	159,184	-718	0	1,625	177	2,084	0	242	0	-194	
7	2568.72	158,196	-988	0	70	721	1,525	0	222	0	-32	
8	2570.00	159,778	1,582	1,164	0	3,415	901	0	2,136	0	40	
9	2571.79	162,008	2,230	0	0	12,111	2,159	0	10,643	0	2,921	
10	2575.06	166,133	4,125	1,405	0	13,903	512	0	10,883	0	212	
11	2576.99	168,600	2,467	0	0	5,342	541	0	2,315	0	-19	
12	2575.16	166,260	-2,340	0	0	1,791	3,364	0	913	0	146	
13	2573.00	163,526	-2,734	0	0	1,163	4,127	0	794	0	1,024	
14	2572.51	162,910	-616	822	85	614	3,384	0	416	0	1,663	
15	2570.31	160,163	-2,747	0	0	430	397	0	376	0	-2,404	
16	2570.13	159,939	-224	0	0	392	358	0	411	0	153	
17	2570.06	159,852	-87	0	0	385	322	0	252	0	102	
18	2569.83	159,567	-285	0	12	389	473	0	269	0	56	
19	2569.71	159,419	-148	0	0	414	403	0	256	0	97	
20	2570.02	159,803	384	0	0	462	4	0	253	0	179	
21	2570.22	160,051	248	0	0	455	44	0	43	0	-120	
22	2570.62	160,548	497	0	0	452	0	0	40	0	85	
23	2571.09	161,133	585	0	0	475	0	0	46	0	156	
24	2571.40	161,520	387	0	0	479	54	0	41	0	3	
25	2571.66	161,845	325	0	0	519	4	0	44	0	-146	
26	2572.08	162,371	526	0	0	563	0	0	42	0	5	
27	2572.42	162,797	426	0	0	538	0	0	51	0	-61	
28	2572.77	163,237	440	0	22	473	0	0	38	0	-17	
29	2573.10	163,652	415	0	0	440	0	0	47	0	22	
30	2573.30	163,904	252	0	0	361	0	0	43	0	-66	
31	2573.84	164,586	682	0	375	316	63	0	38	0	92	
Total				5,761	4,192	9,945	48,362	28,185	0	32,945	0	4,392

1/ Values supplied by LADWP, not verified by DWR.

Table 26. Elderberry Forebay

Daily Operation
(in acre-feet except as noted)

Capacity: 32,476 ac-ft

January 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake			
							Natural	Project 1/		
Dec 31	1522.40	24,274								
1	1516.40	21,732	-2,542	2,152	199	0	199	4,827	133	
2	1516.10	21,609	-123	256	214	0	214	553	174	
3	1520.70	23,540	1,931	1,754	995	790	995	0	967	
4	1516.80	21,897	-1,643	1,972	471	0	471	3,915	300	
5	1520.10	23,283	1,386	1,332	227	11	227	0	65	
6	1519.00	22,816	-467	2,084	186	0	186	2,562	11	
7	1516.20	21,650	-1,166	1,525	436	0	436	3,192	501	
8	1513.70	20,636	-1,014	901	1,385	1,164	1,385	0	-751	
9	1523.90	24,930	4,294	2,159	11,577	0	11,577	0	2,135	
10	1522.40	24,274	-656	512	7,245	1,405	7,245	0	237	
11	1510.40	19,338	-4,936	541	1,956	0	1,956	0	-5,477	
12	1512.50	20,159	821	3,364	1,112	0	1,112	0	-2,543	
13	1515.93	21,537	1,378	4,127	697	0	697	703	-2,046	
14	1521.70	23,970	2,433	3,384	490	822	490	0	-129	
15	1518.90	22,774	-1,196	397	373	0	373	1,942	349	
16	1517.60	22,229	-545	358	282	0	282	1,154	251	
17	1518.70	22,690	461	322	251	0	251	0	139	
18	1520.10	23,283	593	473	214	0	214	0	120	
19	1521.60	23,927	644	403	179	0	179	0	241	
20	1521.90	24,057	130	4	157	0	157	0	126	
21	1522.30	24,230	173	44	130	0	130	0	129	
22	1522.50	24,317	87	0	122	0	122	0	87	
23	1522.80	24,448	131	0	116	0	116	0	131	
24	1523.30	24,666	218	54	116	0	116	0	164	
25	1523.60	24,798	132	4	113	0	113	0	128	
26	1519.60	23,070	-1,728	0	107	0	107	1,827	99	
27	1519.80	23,155	85	0	103	0	103	0	85	
28	1520.10	23,283	128	0	104	0	104	0	128	
29	1520.30	23,369	86	0	94	0	94	0	86	
30	1520.40	23,411	42	0	88	0	88	0	42	
31	1514.70	21,039	-2,372	63	85	0	85	2,446	11	
Total				-3,235	28,185	29,824	4,192	29,824	23,121	-4,107

1/ Values supplied by LADWP, not verified by DWR.

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

January 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay /1		Natural	Deliveries		
				Natural	Project				
Dec 31	1498.05	287,108							
1	1499.74	290,640	3,532	199	4,827	231	1,499	12 -214	
2	1499.41	289,949	-691	214	553	112	1,344	12 -214	
3	1499.20	289,509	-440	995	0	409	1,303	12 -529	
4	1500.52	292,280	2,771	471	3,915	276	1,310	12 -569	
5	1499.92	291,018	-1,262	227	0	138	1,388	12 -227	
6	1500.58	292,406	1,388	186	2,562	86	1,498	12 64	
7	1501.82	295,023	2,617	436	3,192	302	1,480	12 179	
8	1503.02	297,570	2,547	1,385	0	1,464	1,624	12 1,334	
9	1506.25	304,487	6,917	11,577	0	13,672	1,751	7,562 -9,019	
10	1506.97	306,042	1,555	7,245	0	11,096	1,721	13,472 -1,593	
11	1508.38	309,100	3,058	1,956	0	3,511	1,736	5,806 5,133	
12	1509.19	310,865	1,765	1,112	0	1,611	1,736	1,493 2,271	
13	1511.88	316,750	5,885	697	703	1,057	1,637	651 5,716	
14	1509.46	311,455	-5,295	490	0	621	1,736	651 -4,019	
15	1509.26	311,018	-437	373	1,942	391	1,557	651 -935	
16	1508.96	310,364	-654	282	1,154	312	1,557	651 -194	
17	1508.05	308,383	-1,981	251	0	257	1,634	651 -204	
18	1507.05	306,215	-2,168	214	0	219	1,709	651 -241	
19	1506.09	304,142	-2,073	179	0	183	1,726	651 -58	
20	1505.25	302,336	-1,806	157	0	169	1,715	0 -417	
21	1504.53	300,792	-1,544	130	0	157	1,734	0 -97	
22	1503.78	299,189	-1,603	122	0	148	1,721	0 -152	
23	1503.06	297,655	-1,534	116	0	143	1,735	0 -58	
24	1502.31	296,062	-1,593	116	0	145	1,726	0 -128	
25	1501.55	294,452	-1,610	113	0	131	1,732	0 -122	
26	1501.62	294,600	148	107	1,827	124	1,930	0 20	
27	1500.52	292,280	-2,320	103	0	117	2,430	0 -110	
28	1499.56	290,263	-2,017	104	0	129	2,202	0 -48	
29	1498.55	288,150	-2,113	94	0	116	2,202	0 -121	
30	1497.52	286,005	-2,145	88	0	113	2,226	0 -120	
31	1497.68	286,338	333	85	2,446	113	2,237	0 -74	
Total			-770	29,824	23,121	37,553	53,536	32,986 -4,746	

1/ Values supplied by LADWP, not verified by DWR.

Table 28. Governor Edmund G. Brown California Aqueduct
 Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

January 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A Amount	Article 55 Carryover	Extended Table A Carryover	Article 56 Carryover	Local		
	No.	Structure	Mile									
29A	42	Oso Pumping Plant	1.49		10,815							
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved							
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub							
		Warne Power Plant	14.07		9,945							
29H	W3	Pyramid Lake		Calif. State Park								
				Pyramid Recreation	0							
		14.10		United Water Conservation Dist.	0							
		Pyramid Dam	17.10	Piru Creek Fish Enhancement	0							
29J	W4	Castaic Power Plant	25.82	(4,192 AF pumpback) 2/	28,185							
		Elderberry Forebay										
		Forebay Dam	28.12									
		Castaic Lake		Calif. State Park								
30 1/	W5			Castaic Lake Recreation	0							
		Castaic Dam	31.47									
		Castaic Lake Outlet	31.55	MWD - 78"	11,262					11,262		
				MWD - 132"	40,535					40,535		
				Castaic Lake WA - T1	1,263					1,263		
				Castaic Lake WA	294					294		
				United Water Conservation Dist.	0							
				MWD - Ventura County FCD	154							
				LA Co. Parks & Recreation	0							
				Releases to Lagoon	32,986							
				Reach 30 Subtotal:	53,508	154	0	0	53,354	0		
	W6	Castaic Lagoon		Recreation to Lagoon	0							
		Castaic Lagoon Outlet	31.87									

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value supplied by LADWP, not verified by DWR.

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

January 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow					Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Project			Del. To Mojave W.A.	Natural To Mojave River			
Dec 31	3352.55	72,599												
1	3352.05	72,121	-478	1,232	0	396	3	0	1,665	0	374	-64	24	
2	3351.82	71,901	-220	1,549	0	219	4	0	1,773	0	443	232	24	
3	3351.32	71,425	-476	2,028	0	424	5	0	2,161	0	669	-93	24	
4	3351.06	71,178	-247	2,367	0	345	3	0	2,621	0	362	27	24	
5	3351.09	71,207	29	2,311	0	200	5	0	2,410	0	100	33	24	
6	3351.40	71,501	294	2,539	0	152	5	0	2,467	0	34	109	24	
7	3351.96	72,035	534	2,239	0	780	6	0	2,351	0	131	3	24	
8	3354.43	74,414	2,379	1,980	0	4,414	5	0	1,529	0	2,484	3	24	
9	3352.72	72,762	-1,652	1,154	0	8,701	6	0	1,056	0	10,448	3	24	
10	3353.14	73,166	404	18	0	5,648	3	1	1,137	0	4,122	1	24	
11	3351.29	71,397	-1,769	94	0	5,015	3	0	1,234	0	5,645	4	24	
12	3350.53	70,676	-721	451	0	1,568	1	0	1,202	0	1,486	-51	24	
13	3349.88	70,063	-613	129	0	853	3	0	1,176	0	609	193	24	
14	3349.58	69,782	-281	890	0	609	5	0	1,138	0	609	-28	24	
15	3349.66	69,857	75	1,025	0	469	6	0	1,061	0	535	183	24	
16	3349.23	69,454	-403	1,121	0	469	5	1	1,059	0	433	-495	24	
17	3349.80	69,988	534	1,245	0	364	5	0	1,110	0	364	404	24	
18	3350.61	70,752	764	1,917	0	248	3	0	1,515	0	236	353	24	
19	3350.36	70,516	-236	1,942	0	196	3	0	2,230	0	81	-60	24	
20	3350.59	70,733	217	2,062	0	169	2	1	2,136	0	2	127	24	
21	3350.92	71,045	312	2,209	0	160	3	0	2,280	0	2	228	24	
22	3351.79	71,873	828	2,687	0	154	3	0	2,097	0	2	89	23	
23	3352.05	72,121	248	2,458	0	149	3	0	2,254	0	2	-100	23	
24	3352.19	72,255	134	2,329	0	149	4	0	2,514	0	2	176	23	
25	3352.05	72,121	-134	2,098	0	149	3	0	2,342	0	2	-34	23	
26	3351.88	71,958	-163	2,215	0	149	2	0	2,663	0	2	140	26	
27	3351.29	71,397	-561	2,055	0	175	1	0	2,797	0	2	9	27	
28	3350.95	71,074	-323	1,890	0	165	1	0	2,574	0	2	199	27	
29	3351.32	71,425	351	2,381	0	230	1	0	2,254	0	2	-3	27	
30	3352.50	72,551	1,126	3,202	0	150	1	0	2,263	0	2	40	27	
31	3352.38	72,436	-115	2,155	0	108	1	0	2,404	0	2	29	28	
Total				-163	53,972	0	32,977	104	3	59,473	0	29,189	1,657	758

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

January 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Dec 31	1586.54	123,510				
1	1586.61	123,669	159		11	
2	1586.62	123,692	23		10	
3	1586.76	124,010	318		12	
4	1586.90	124,328	318		10	
5	1587.12	124,829	501		285	
6	1587.36	125,377	548		216	
7	1587.80	126,383	1,006		10	
8	1587.91	126,635	252		11	
9	1588.16	127,208	573		10	
10	1588.27	127,461	253		16	
11	1588.27	127,461	0		14	
12	1588.35	127,644	183		13	
13	1588.13	127,139	-505		531	
14	1587.58	125,880	-1,259		1,201	
15	1587.03	124,624	-1,256		1,200	
16	1586.51	123,442	-1,182		1,201	
17	1586.04	122,378	-1,064		1,251	
18	1585.80	121,836	-542		1,251	
19	1585.63	121,452	-384		972	
20	1585.41	120,957	-495		922	
21	1585.14	120,350	-607		922	
22	1584.92	119,856	-494		922	
23	1584.64	119,228	-628		921	
24	1584.42	118,736	-492		701	
25	1584.20	118,245	-491		427	
26	1584.01	117,821	-424		427	
27	1583.90	117,576	-245		446	
28	1583.71	117,154	-422		445	
29	1583.41	116,487	-667		446	
30	1583.35	116,354	-133		445	
31	1583.16	115,933	-421		427	
Total			-7,577	8,471	15,676	-372

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at lake Perris.

Table 31a. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

January 2005

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A Amount	Article 55 Carryover	Article 56 Carryover	Other	Transfer Local Out	
	No.	Structure	Mile							
17E	40	Edmonston Pumping Plant	293.45		66,310					
	41		298.65	Kern County Water Agency Tej.-Cas	Stub					
17F		Check No. 41	303.41							
18A	42	Check No. 42	304.99							
19	43	Alamo Powerplant	305.73	(Does not include 4,093 AF flow down Cottonwood Chute)	53,761					
			308.05	Antelope Valley-East Kern WA	0					
		Check No. 43	309.70							
	44		311.84	LADWP Connection	0					
			313.50	AVEK 245th Street West	0					
		Check No. 44	314.81							
	45		314.93	AVEK 235th Street West	0					
			315.57	AVEK 225th Street West	0					
		Check No. 45	319.74							
	46		323.19	Antelope Valley-East Kern WA						
				Fairmont	190					
				Mojave Water Agency Fairmont	0					
		Check No. 46	323.84							
				Reach 19 Total:	190	0	0	171	19	0
20A	47	Check No. 47	326.77							
	48		326.91	Antelope Valley-East Kern WA Willow Springs Siphon	34					
			329.65	Antelope Valley-East Kern WA 120th Street West	Removed					
		Check No. 48	330.82							
	49	Check No. 49	335.93							
	50		336.73	AVEK WA - Quartz Hill (Wheeled for Palmdale WD)	0					
				Antelope Valley-East Kern WA	1,069					
		Check No. 50	341.51	Antelope Valley-East Kern WA	1					
20B	51	Check No. 51	342.07							
	52		342.80	Antelope Valley-East Kern WA 30th Street West	Not in Use					
		Check No. 52	343.74							
	53		346.98	PWD Palmdale	0					
				Antelope Valley-East Kern WA Acton Treatment Plant	85					
		Check No. 53	348.17							
21	54	Check No. 54	350.25							
	55	Check No. 55	352.70							
	56	Check No. 56	354.76							
			354.97	Littlerock Creek I.D.	0					
22A	57	Check No. 57	356.93							
	58		357.60	Antelope Valley-East Kern WA	0					
			357.72	Antelope Valley-East Kern WA 96th Street East	3					
			359.82	Antelope Valley-East Kern WA	90					

Table 31b. Governor Edmund G. Brown California Aqueduct
Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

January 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries								
	Beginning and Ending					Table A Amount	Article 55 Carryover	Extended Table A Carryover	Article 56 Carryover	Other				
	No.	Structure	Mile											
22B	58	Pearblossom Pumping Plant	360.61		53,052									
	59	Check No. 59	366.09											
	60		366.50		Antelope Valley-East Kern WA									
		Check No. 60	373.94											
	61	Check No. 61	379.00											
	62	Check No. 62	384.26											
	63	Check No. 63	389.20		Mojave Water Agency Mojave River		283							
			394.60		Mojave Water Agency Temporary		0							
	64	Check No. 64	395.10											
	65	Check No. 65	400.32											
	66		401.10		Mojave Water Agency Morongo 24" and 42"		62							
					Mojave Water Agency Hesperia		0							
23	Check No. 66	403.41												
	Mojave Siphon	405.48			Las Flores Ranch		758							
24		Mojave Siphon Powerplant	405.65				53,972							
67	Silverwood Lake	407.65			Crestline Lake Arrowhead Water Agency		103							
					25						Calif. State Park	4		
San Bernardino Tunnel Intake	407.70		Silverwood Agency (Rec.)											
26A	Devil Canyon Powerplant	412.73					59,473							
		Devil Canyon Afterbay Control Structures	412.88		MWD-SC Rialto		0							
	68				Desert Water Agency (MWD Wheeling Exchange)		14,799							
					MWD-SC T290		0							
					San Gabriel Valley Water District		316							
					Coachella Valley WD (MWD Wheeling Exchange)		12,819							
					San Bernardino Valley MWD 24" and 72"		0							
					San Bernardino Valley MWD 48"		0							
					MWD (SBVMWD Exchange) T291		7,496							
					San Gorgonio Pass Water Agency		0							
	28G	Santa Ana Valley Pipeline	425.46											
			433.06		MWD-SC Box Springs		3,952							
			440.05		MWD-SC Perris Bypass Pipeline		12,872							
			442.00		MWD-SC 18"		326							
			443.44		MWD-SC 78"		15,350							
28H					Lake Perris Recreation		0							
28J	Lake Perris													
				119,411										
					0		0	0						
									100,747	18,664				

1/ Non project water.

2/ San Gabriel received 316 AF of Dudley Ridge's 2004 carryover water.

3/ Article 21 Water.

Table 32. Water Quality At Selected SWP Locations

January 2005

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct				Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	
Alkalinity	mg/l as CaCO ₃	44	75	76	81	75	89	88	85	64
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
Bromide	mg/l	<0.01	0.03	0.15	0.13	0.17	0.40	0.35	0.34	0.18
Calcium	mg/l	8	10	23	23	22	25	23	22	18
Carbon - Dissolved Organic	mg/l as C	NR	16	8	9	8	4	4	4	4
Carbon - Total Organic	mg/l as C	NR	17	8	10	8	4	4	4	5
Chloride	mg/l	1	29	56	55	61	124	110	106	54
Chromium	mg/l	<0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.002	0.002
Copper	mg/l	<0.001	0.004	0.003	0.003	0.003	0.002	0.002	0.002	0.002
Fluoride	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.1	0.1
Hardness	mg/l as CaCO ₃	36	66	107	107	104	132	123	117	82
Iron	mg/l	0.005	0.232	0.073	0.054	0.042	0.017	0.013	0.023	0.006
Lead	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	4	10	12	12	12	17	16	15	9
Manganese	mg/l	<0.005	0.031	0.036	0.012	0.012	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l as N	0.02	0.19	1.50	NR	1.50	1.40	1.20	1.10	1.10
Phosphorus-Ortho	mg/l as P	<0.01	0.25	0.16	NR	0.15	0.09	<0.01	0.08	0.07
Phosphorus-Total	mg/l	0.02	0.44	0.28	NR	0.21	0.11	0.14	0.09	0.13
Selenium	mg/l	<0.001	<0.001	0.001	0.001	0.001	0.002	0.001	0.001	<0.001
Sodium	mg/l	4	34	44	49	46	80	71	66	38
Specific Conductance	µS/cm	79	274	399	443	383	620	514	592	369
Sulfate	mg/l	2	22	49	58	46	54	47	43	28
Total Dissolved Solids	mg/l	58	163	256	269	258	368	343	326	207
Turbidity	NTU	3	64	27	48	22.5	9	7	7	6
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

January 2005

Date	Antioch Tides (feet above mean sea level)		Flow In CFS		Electrical Conductivity in milliSiemens/cm									Cl in mg/l		
			Net Delta Outflow Index		Rio Vista	Antioch	Chipps Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal		
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	md	
38	1	2.96	1.83	52,974	52,974	43,109	2.24	2.87	0.28	1.02	1.11	1.38	0.70	0.38	0.00	122
	2	3.11	1.64	61,165	57,069	50,456	1.47	1.28	0.22	1.01	0.93	1.38	0.72	0.44	0.00	130
	3	3.38	1.61	59,805	57,981	50,812	1.14	0.67	0.20	0.99	0.78	1.36	0.64	0.29	0.00	130
	4	3.53	1.59	57,982	57,981	48,659	0.93	0.46	0.21	0.97	0.64	1.32	0.60	0.35	0.68	132
	5	3.37	1.32	48,270	56,039	44,414	0.80	0.37	0.25	0.94	0.53	1.28	0.60	0.48	0.56	135
	6	3.66	1.38	41,245	53,573	38,355	0.68	0.37	0.25	0.91	0.48	1.23	0.60	0.59	0.55	138
	7	4.61	2.14	33,945	50,769	33,855	0.60	0.92	0.23	0.85	0.50	1.19	0.59	0.52	0.55	138
	8	5.07	2.65	29,994	48,172	30,401	0.54	1.22	0.23	0.78	0.51	1.15	0.55	0.32	0.54	170
	9	4.74	2.32	32,119	46,389	29,050	0.54	0.66	0.26	0.67	0.45	1.09	0.53	0.40	0.53	175
	10	4.63	2.23	35,114	45,261	31,797	0.50	0.45	0.27	0.50	0.42	0.98	0.52	0.48	0.55	175
	11	4.76	2.49	36,800	44,492	32,746	0.48	0.00	0.26	0.37	0.40	0.85	0.52	0.39	0.54	170
	12	3.94	1.82	45,340	44,563	34,697	0.45	0.28	0.26	0.29	0.34	0.73	0.49	0.38	0.49	175
	13	3.28	1.41	40,741	44,269	33,171	0.41	0.26	0.23	0.25	0.31	0.63	0.42	0.53	0.40	165
	14	2.69	1.20	39,896	43,956	34,059	0.37	0.26	0.22	0.24	0.29	0.55	0.40	0.64	0.39	175
	15	2.58	0.88	38,380	43,585	33,060	0.35	0.24	0.21	0.24	0.28	0.49	0.41	0.70	0.42	175
	16	2.55	0.72	32,390	42,885	29,735	0.33	0.22	0.21	0.23	0.27	0.44	0.42	0.74	0.43	175
	17	2.78	0.72	26,322	41,911	26,498	0.32	0.21	0.21	0.24	0.26	0.41	0.43	0.83	0.44	175
	18	2.70	0.63	23,784	40,904	24,503	0.31	0.20	0.22	0.24	0.26	0.38	0.42	0.85	0.47	175
	19	2.74	0.70	19,902	39,798	22,261	0.30	0.28	0.23	0.23	0.27	0.36	0.41	0.86	0.50	165
	20	3.11	1.05	17,762	38,696	21,112	0.29	0.51	0.23	0.23	0.27	0.34	0.42	0.86	0.49	140
	21	3.23	1.27	15,927	37,612	19,831	0.30	0.85	0.24	0.23	0.28	0.33	0.41	0.88	0.50	140
	22	3.14	1.21	14,658	36,569	19,108	0.31	0.96	0.24	0.23	0.28	0.31	0.40	0.88	0.51	135
	23	3.19	1.23	13,841	35,581	18,474	0.30	1.09	0.25	0.23	0.28	0.30	0.39	0.88	0.51	125
	24	3.36	1.32	13,136	34,645	17,983	0.36	1.22	0.26	0.23	0.29	0.29	0.38	0.90	0.51	125
	25	3.39	1.39	11,405	33,716	16,662	0.38	1.57	0.26	0.23	0.29	0.28	0.39	0.89	0.52	115
	26	3.75	1.62	9,276	32,776	15,009	0.48	2.21	0.28	0.23	0.30	0.28	0.42	0.90	0.52	100
	27	3.26	1.48	12,033	32,008	16,493	0.47	1.84	0.28	0.24	0.30	0.28	0.41	0.73	0.56	85
	28	3.12	1.55	13,023	31,330	16,618	0.51	1.90	0.28	0.24	0.30	0.28	0.42	0.55	0.61	67
	29	2.51	1.16	20,224	30,947	21,238	0.42	0.86	0.28	0.25	0.30	0.28	0.44	0.52	0.67	63
	30	2.31	0.88	27,407	30,829	26,540	0.37	0.00	0.27	0.25	0.29	0.28	0.44	0.64	0.69	55
	31	2.34	0.72	29,930	30,800	27,910	0.34	0.00	0.25	0.26	0.29	0.29	0.45	0.75	0.55	53

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

f = Excess Delta conditions with fish concerns.

N.R. = No Record.

N.C. = Not computed due to insufficient data.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

January 2005

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	September 15, 2004	None Detected	
California Aqueduct At Banks Pumping Plant	September 15, 2004	2,4-D	0.20
O'Niell Forebay Outlet Check 13	September 15, 2004	2,4-D	0.1
Delta Mendota Canal At McCabe Road	September 15, 2004	2,4-D	0.3
California Aqueduct Near Kettleman City (Check 21)	September 15, 2004	2,4-D	0.2
California Aqueduct At Near Highway 119 (Check 29)	September 15, 2004	2,4-D	0.1
California Aqueduct at Devil Canyon Headworks	September 15, 2004	2,4-D	0.1
California Aqueduct At Tehachapi Afterbay (Check 41)	September 15, 2004	None Detected	

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)

January 2005

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	49,248	12,096	12,047	22,610	4,034,304	4,034,304	98,825	161
2	50,112	12,672	11,753	21,287	4,195,008	4,195,008	100,005	160
3	3,292,416	7,488	9,919	18,116	3,938,496	3,938,496	94,720	162
4	4,773,600	5,472	10,787	19,943	4,637,184	4,637,184	100,680	162
5	1,158,624	4,032	10,892	22,099	4,550,784	4,550,784	106,930	162
6	1,889,568	0	10,549	22,239	4,733,376	4,733,376	104,785	161
7	1,864,512	1,152	10,444	21,616	3,770,112	3,770,112	86,970	162
8	2,725,920	1,440	10,472	21,833	4,665,408	4,665,408	99,045	161
9	2,439,936	4,608	8,484	20,356	3,654,720	3,654,720	79,370	159
10	4,464,576	3,744	8,820	17,696	4,671,360	4,671,360	102,860	173
11	4,199,616	3,168	10,157	19,831	4,862,592	4,862,592	90,460	173
12	2,624,256	4,032	10,234	20,909	4,178,880	4,178,880	78,635	172
13	3,369,600	4,032	12,502	22,708	4,754,304	4,754,304	63,515	172
14	2,464,416	2,304	9,653	18,543	4,722,240	4,722,240	97,485	172
15	1,202,400	6,912	8,939	20,132	4,793,472	4,793,472	113,680	170
16	449,856	10,944	9,912	20,132	4,787,712	4,787,712	99,985	170
17	1,351,008	8,064	10,507	21,308	4,341,504	4,341,504	97,270	173
18	3,336,480	4,320	9,989	21,707	4,715,520	4,715,520	88,215	180
19	2,385,792	3,744	9,989	21,987	4,636,800	4,636,800	102,570	161
20	3,180,960	3,456	9,968	22,001	4,640,064	4,640,064	95,025	139
21	2,593,152	4,608	9,982	19,348	4,487,232	4,487,232	95,415	138
22	1,084,896	6,624	10,619	20,713	4,480,320	4,480,320	99,575	138
23	43,488	14,112	9,296	21,497	4,308,288	4,308,288	105,660	139
24	2,778,912	2,880	10,010	21,245	4,353,984	4,353,984	107,965	140
25	2,056,896	2,880	9,919	20,643	4,235,520	4,235,520	94,200	140
26	872,064	7,776	9,044	21,385	4,195,968	4,195,968	85,585	139
27	1,305,792	7,776	9,919	22,295	4,199,232	4,199,232	86,520	153
28	1,907,712	0	9,877	21,980	4,259,136	4,259,136	76,145	140
29	1,812,672	0	8,757	17,934	4,325,760	4,325,760	57,120	140
30	2,319,264	0	9,877	21,917	4,344,576	4,344,576	65,880	140
31	3,349,728	0	8,995	20,258	4,406,016	4,406,016	50,170	140
Total	67,397,472	150,336	312,312	646,268	136,879,872	136,879,872	2,825,265	4,852

Table 36. San Luis Field Division Energy Data

(in kWh)

January 2005

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	410,688	242,688	0	0	6,990,048	4,542,048
2	451,728	283,728	0	0	6,960,672	4,512,672
3	519,552	342,552	0	0	3,907,008	2,647,008
4	538,560	361,560	0	0	4,864,896	3,044,896
5	545,328	368,328	0	0	5,869,728	3,769,728
6	491,904	314,904	0	0	6,145,344	4,323,344
7	401,472	329,472	0	0	6,912,000	5,092,000
8	358,560	286,560	0	0	6,872,256	5,612,256
9	391,968	319,968	0	0	6,845,184	3,485,184
10	134,208	62,208	0	0	6,367,104	4,373,104
11	49,248	-22,752	0	0	6,826,176	4,378,176
12	497,088	425,088	0	0	6,812,352	4,364,352
13	470,736	398,736	0	0	6,784,992	4,336,992
14	454,464	382,464	0	0	6,767,424	4,319,424
15	580,320	508,320	0	0	6,747,264	4,299,264
16	644,976	572,976	0	0	6,720,768	4,272,768
17	544,176	472,176	0	0	6,698,016	5,018,016
18	445,536	373,536	0	0	6,673,536	3,977,536
19	844,848	772,848	0	0	6,646,752	3,950,752
20	741,312	669,312	0	0	6,615,936	3,919,936
21	920,304	848,304	0	0	6,582,240	3,886,240
22	1,015,488	943,488	0	0	6,541,056	3,845,056
23	1,106,928	1,034,928	0	0	6,483,744	3,195,744
24	1,113,120	1,041,120	0	0	5,034,528	3,090,528
25	1,058,112	882,112	0	0	5,046,336	3,118,336
26	1,066,032	890,032	0	0	4,375,584	2,447,584
27	1,072,944	896,944	0	0	4,856,256	2,928,256
28	993,024	745,024	0	0	5,116,608	3,188,608
29	1,105,920	857,920	0	0	4,963,968	3,035,968
30	1,187,856	947,856	0	0	6,181,920	2,941,920
31	992,448	744,448	0	0	4,896,000	2,968,000
Total	21,148,848	17,296,848	0	0	189,105,696	118,885,696

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data

(in kWh)

January 2005

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devils Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	4,270	10,712	35,250	32,180	35,335	712,224	822,096	1,829,952	6,801,120
2	2,242	5,504	25,010	23,095	25,865	976,968	1,031,040	2,324,736	8,738,640
3	3,244	7,752	26,805	25,330	27,605	722,952	857,664	1,933,920	7,130,160
4	5,366	13,320	42,655	40,440	43,175	914,400	1,039,176	2,335,968	8,390,880
5	5,162	12,920	34,805	32,030	35,255	889,200	1,004,184	2,280,096	8,591,040
6	4,656	11,352	25,080	23,700	25,850	940,752	1,075,032	2,436,192	9,132,480
7	4,052	10,304	23,630	21,990	23,395	882,360	951,048	2,129,760	7,684,560
8	4,024	9,552	29,560	26,850	30,170	660,024	717,624	1,621,728	6,027,840
9	2,760	6,408	31,090	28,675	31,300	378,216	443,088	977,184	3,571,920
10	2,962	7,192	21,925	20,950	22,515	113,976	112,536	240,768	899,280
11	2,056	4,704	19,095	17,735	19,695	20,304	25,272	67,680	221,760
12	3,450	8,312	21,800	19,830	22,200	142,704	170,568	366,912	1,316,160
13	8,220	20,896	22,700	20,635	22,830	32,832	39,168	83,520	277,200
14	9,000	23,376	29,465	26,765	29,320	196,416	216,000	525,600	1,945,440
15	6,862	18,024	22,885	21,110	23,300	256,248	335,448	732,672	2,628,000
16	5,682	14,384	33,280	30,020	32,590	363,096	337,104	770,976	2,878,560
17	6,312	15,744	26,495	24,820	27,575	277,848	335,520	752,832	2,684,160
18	7,860	20,736	32,925	30,750	31,905	470,016	536,040	1,171,872	4,308,480
19	8,526	22,128	28,920	26,545	29,200	539,136	575,856	1,324,224	4,889,520
20	4,690	12,088	28,605	26,950	29,770	538,416	623,808	1,380,672	5,263,200
21	5,078	13,096	26,425	24,825	26,515	637,704	691,920	1,540,224	5,474,160
22	13,172	33,728	34,715	32,005	35,450	672,840	721,728	1,643,904	6,227,280
23	7,734	21,008	27,400	25,330	27,640	657,792	783,360	1,740,096	6,289,920
24	3,860	9,520	23,870	22,185	24,480	579,744	642,096	1,474,848	5,359,680
25	3,032	7,112	31,765	30,130	32,205	590,256	641,736	1,424,448	5,314,320
26	6,478	16,320	34,370	32,380	35,435	557,424	639,720	1,420,704	5,324,400
27	4,690	12,408	26,370	24,490	26,290	594,936	641,880	1,437,120	5,335,200
28	3,190	7,808	22,455	20,915	23,605	540,648	646,632	1,437,120	5,330,880
29	3,352	8,152	24,440	22,255	24,380	547,776	649,080	1,451,232	5,181,120
30	5,012	12,656	32,470	30,440	33,650	769,032	880,200	1,973,376	7,316,640
31	3,258	8,616	28,820	26,700	29,490	596,592	672,048	1,483,776	5,450,400
Total	160,252	405,832	875,080	812,055	887,990	16,772,832	18,858,672	42,314,112	155,984,400

Table 38. Southern Field Division Energy Data

(in kWh)

January 2005

Date	West Branch			East Branch						
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Cherry Valley Pumping Plant	Crafton Hills Pumping Plant	Green Spot Pumping Plant
1	311,976	842,328	2,880,000	228,228	881,244	2,053,632	85,302	526	823	1,525
2	584,304	974,664	2,880,000	195,440	1,023,960	2,197,056	116,088	522	778	1,523
3	366,408	973,008	2,040,000	214,844	1,315,620	2,615,712	152,901	550	776	1,593
4	347,144	998,208	0	267,820	1,460,208	3,222,336	186,753	564	957	1,518
5	387,800	1,000,440	2,040,000	240,492	1,576,272	2,909,760	182,217	606	837	1,534
6	394,016	998,640	2,355,000	275,016	1,699,908	2,986,656	202,461	631	817	1,572
7	168,336	42,192	2,880,000	263,536	1,478,424	2,880,384	164,598	580	826	1,588
8	136,920	0	2,880,000	219,968	1,483,536	1,851,456	138,726	500	618	1,581
9	140,896	0	2,880,000	121,100	859,788	1,276,032	83,307	466	577	1,470
10	62,104	0	2,880,000	25,732	14,340	1,412,160	0	520	564	1,487
11	11,536	0	0	7,616	70,680	1,539,168	4,515	526	607	1,550
12	11,816	0	0	59,696	376,992	1,491,936	30,303	571	674	1,544
13	10,640	0	0	11,256	87,048	1,462,944	8,757	588	586	1,487
14	8,008	9,360	0	100,128	599,916	1,377,888	70,266	527	566	1,385
15	8,232	0	0	122,220	713,568	1,294,560	63,462	454	507	1,332
16	7,784	0	0	151,480	781,704	1,300,896	87,045	431	475	1,255
17	8,064	0	0	137,396	787,068	1,368,192	99,225	456	470	786
18	7,896	7,128	0	193,172	1,076,124	1,879,680	150,801	444	484	585
19	7,616	0	0	234,836	1,442,748	2,691,264	147,777	452	510	549
20	7,784	0	0	248,388	1,400,232	2,659,392	171,591	482	529	526
21	7,448	0	0	267,288	1,498,872	2,758,656	177,114	492	485	614
22	7,448	0	0	304,276	1,684,440	2,532,384	208,908	435	471	555
23	7,448	0	0	303,492	1,619,100	2,742,720	188,370	436	475	539
24	7,560	0	0	250,124	1,594,512	3,037,632	180,474	473	568	493
25	7,672	0	0	244,636	1,373,460	2,860,800	161,805	473	1,404	683
26	7,728	0	0	245,000	1,480,788	3,182,880	175,203	557	1,386	1,433
27	7,952	0	0	241,836	1,373,700	3,338,784	162,771	580	16,815	12,925
28	8,232	13,392	0	247,576	1,370,004	3,136,800	150,780	562	558	867
29	8,792	0	0	243,992	1,477,236	2,757,792	187,782	498	727	932
30	8,456	0	0	350,364	2,096,568	2,778,816	242,172	500	660	794
31	41,384	233,640	1,440,000	241,080	1,480,200	2,951,904	167,685	523	587	657
Total	3,068,016	5,859,360	23,715,000	6,016,948	34,698,060	69,598,368	3,981,474	15,925	37,117	46,882